

Fig. 1

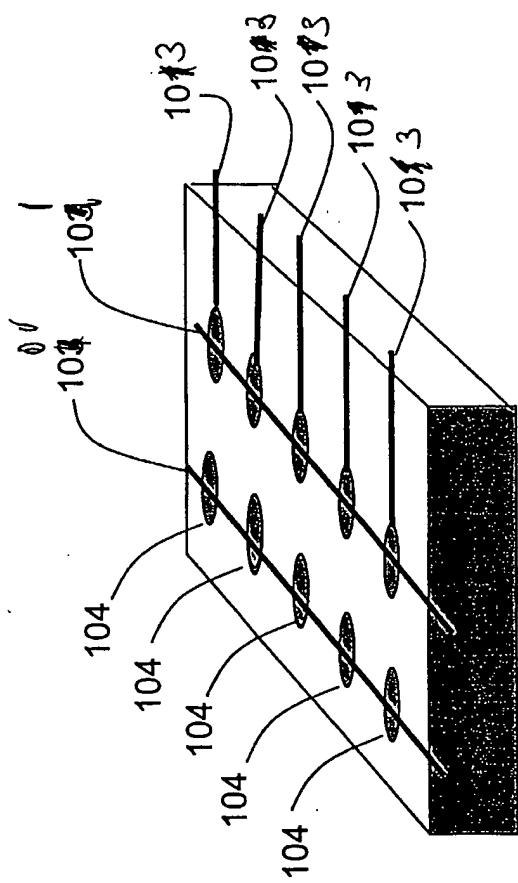


Fig. 2

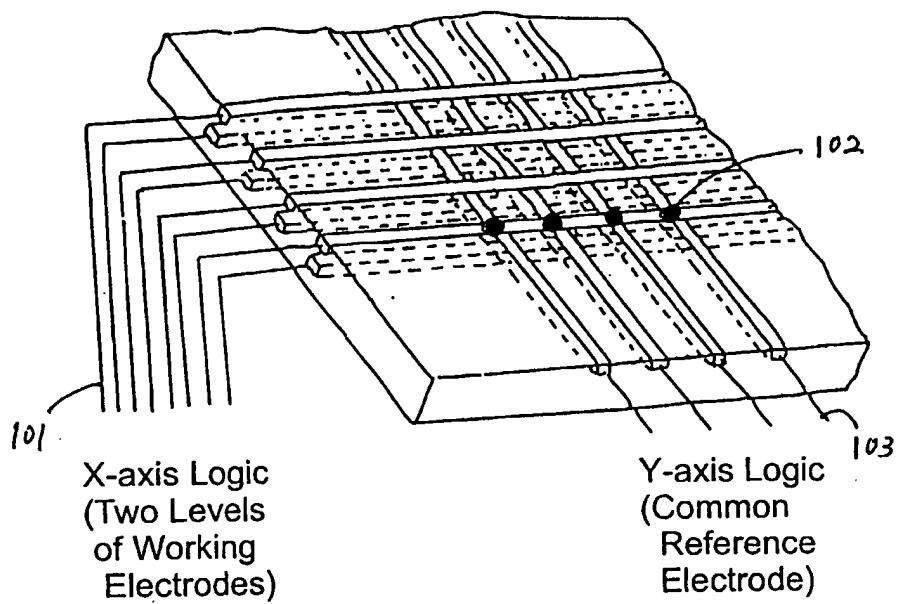


Fig. 3

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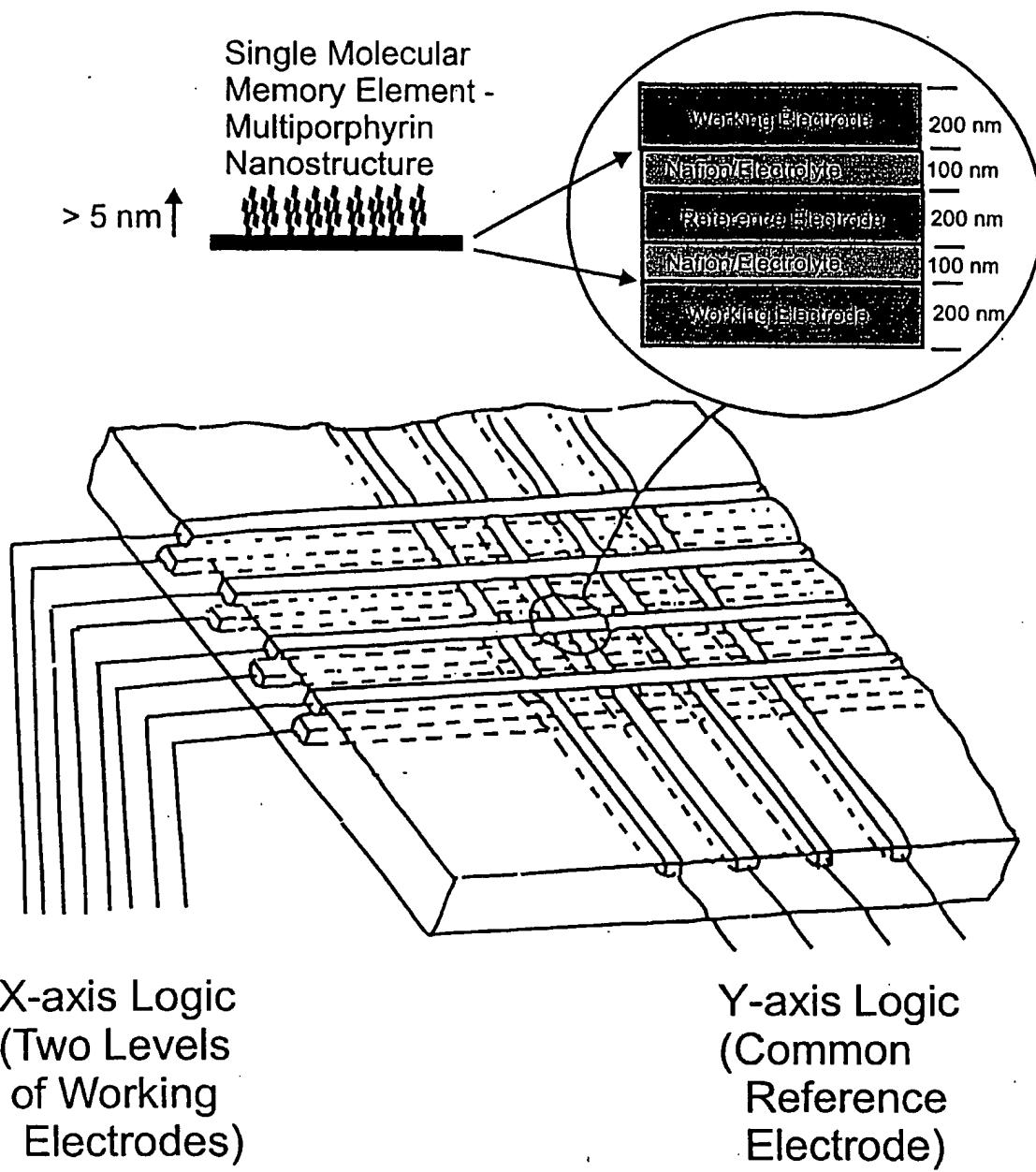


Fig. 4

10/019377

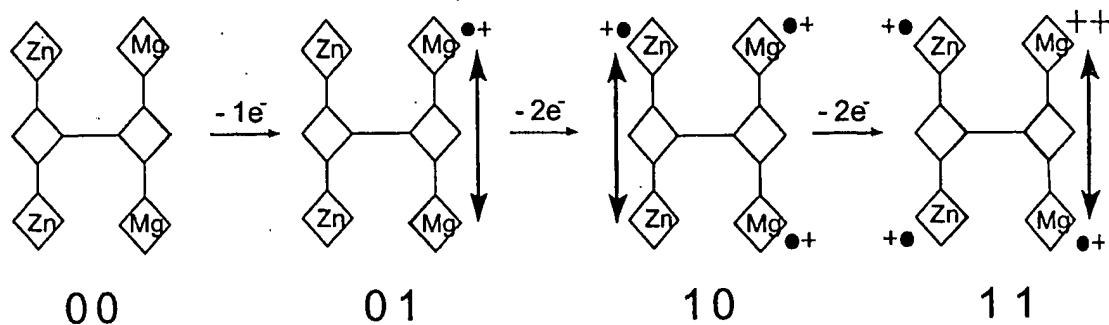


Fig. 5

10/019377

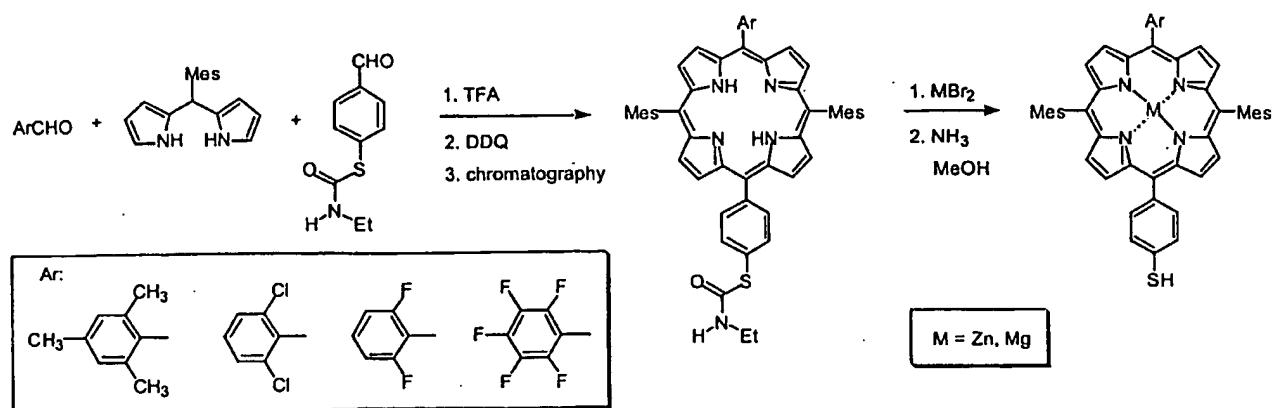


Fig. 6

10/019377

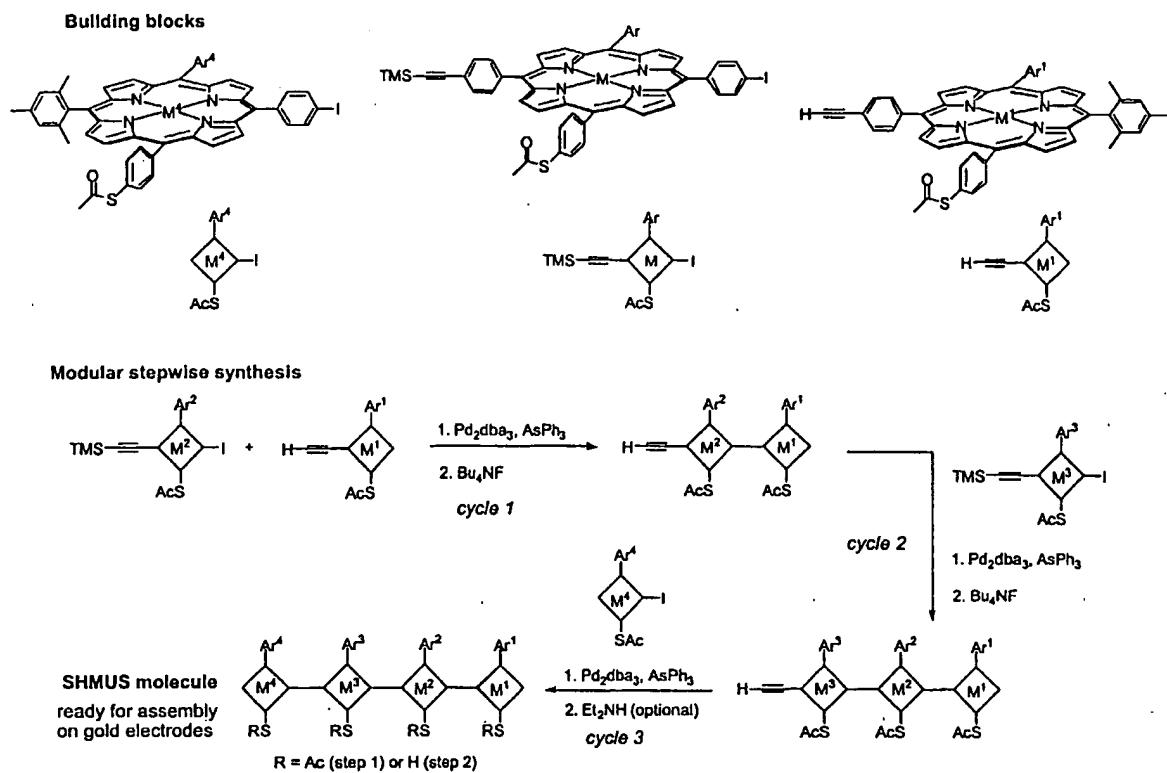
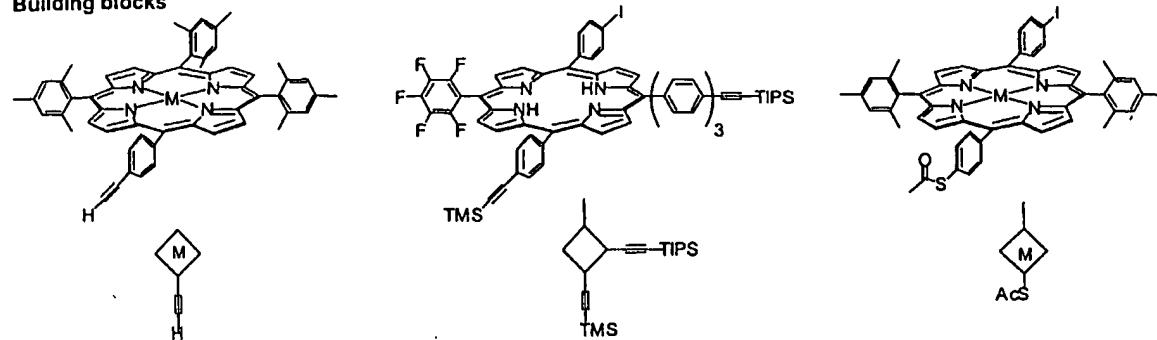


Fig. 7

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Building blocks



Modular stepwise synthesis

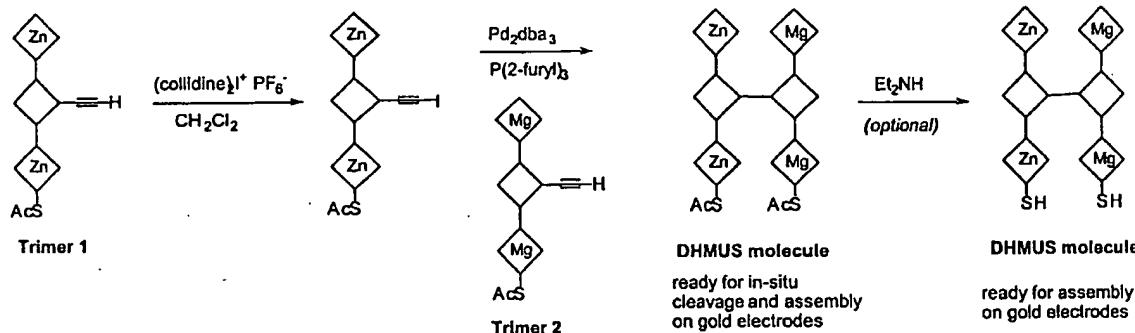
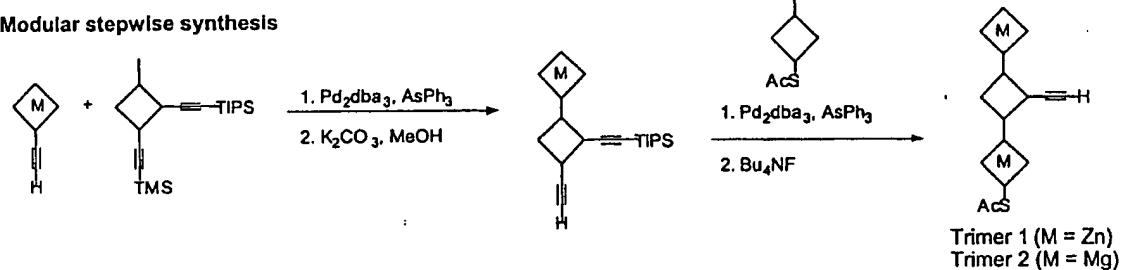


Fig. 8

10/019377

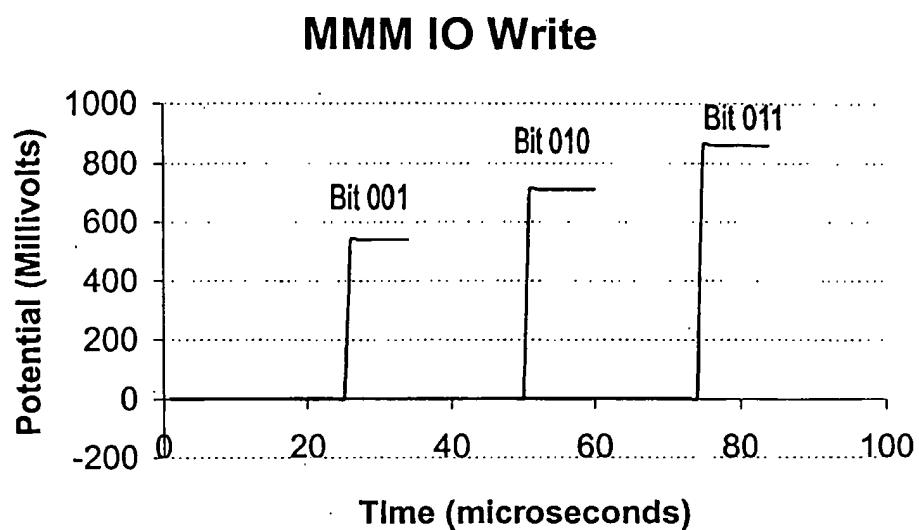


Fig. 9

10/019377

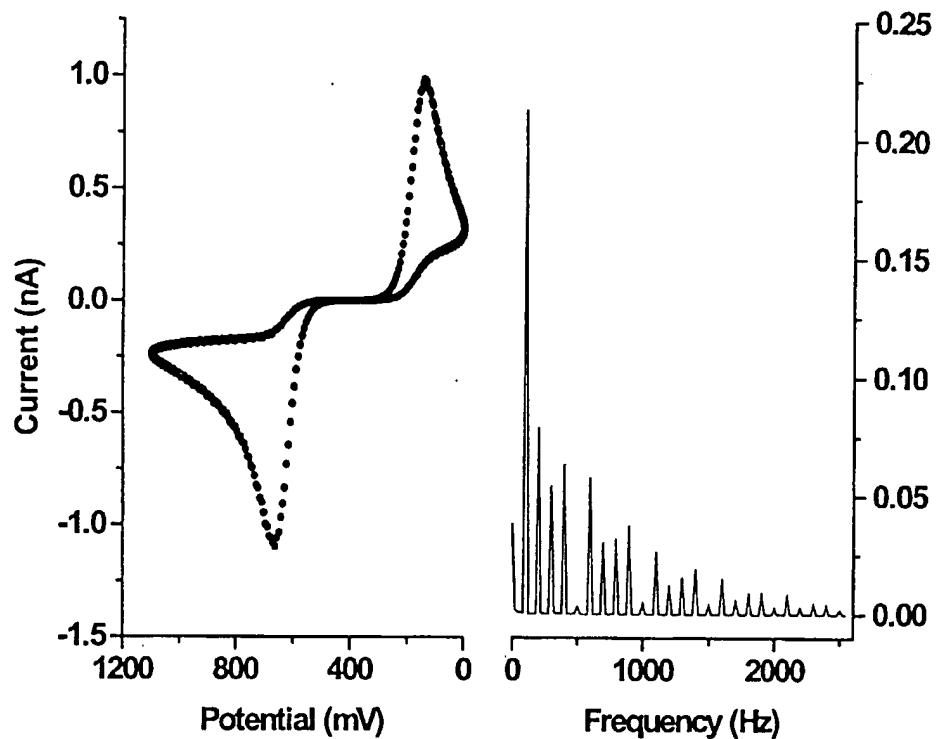


Fig. 10

10/019377

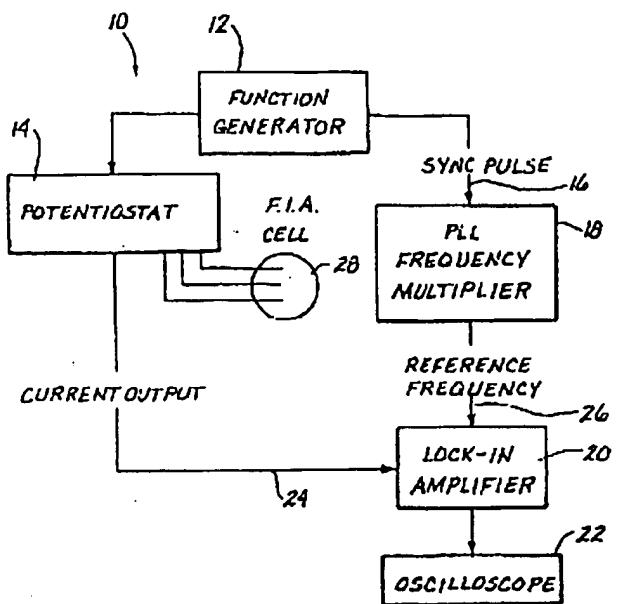


Fig. 11

10/019377

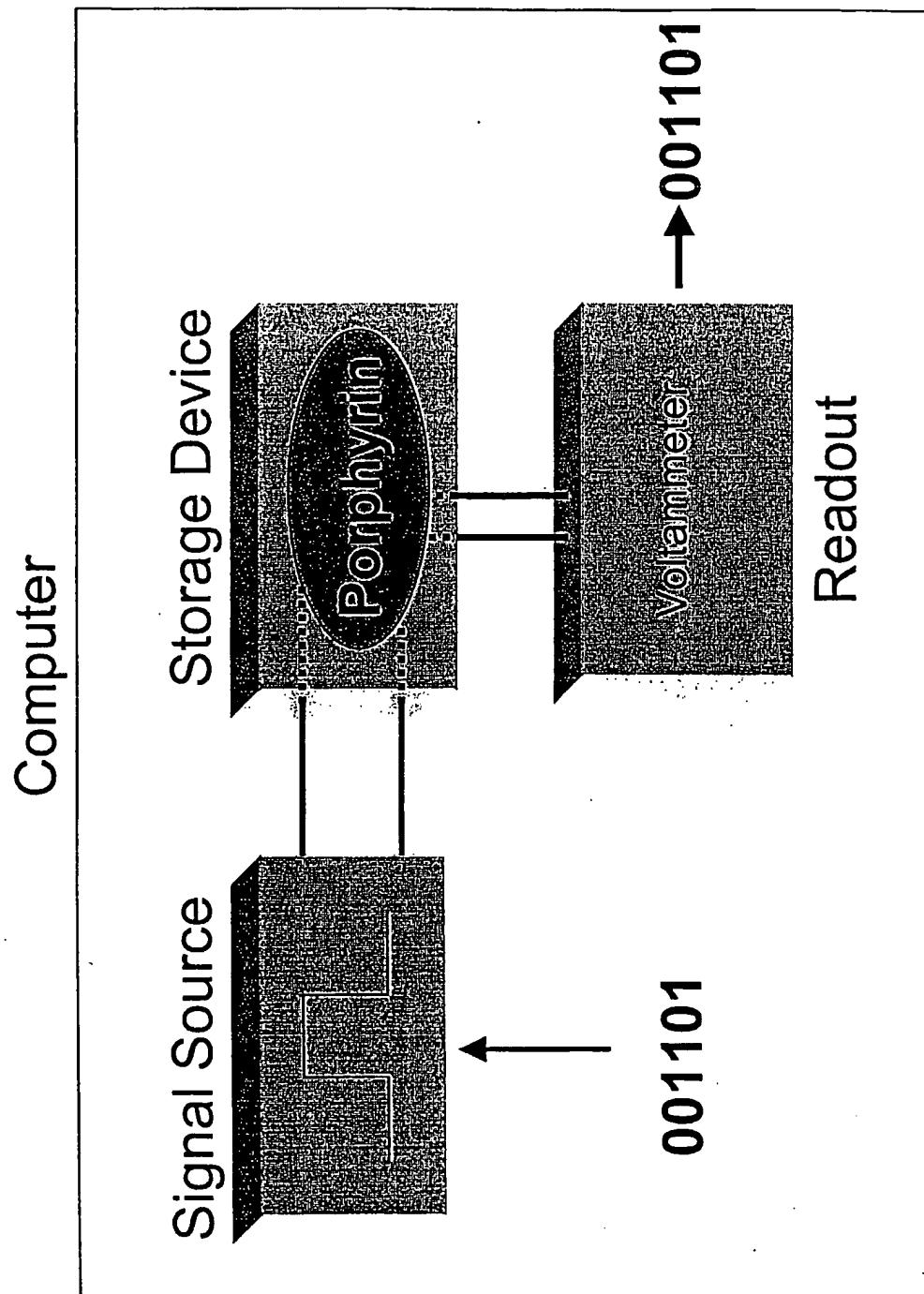


Fig. 12

10/019377

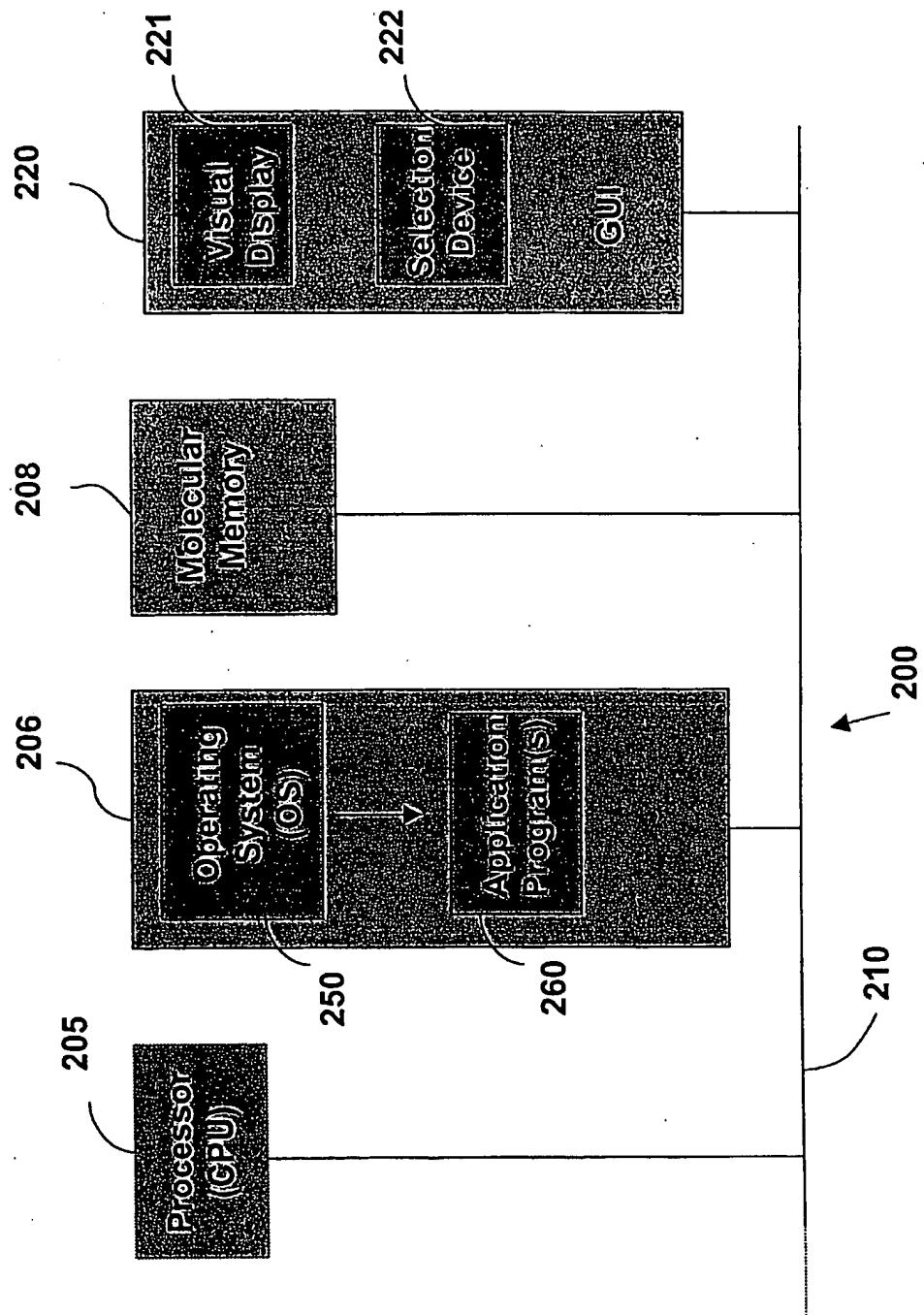


Fig. 13

Scheme 1.

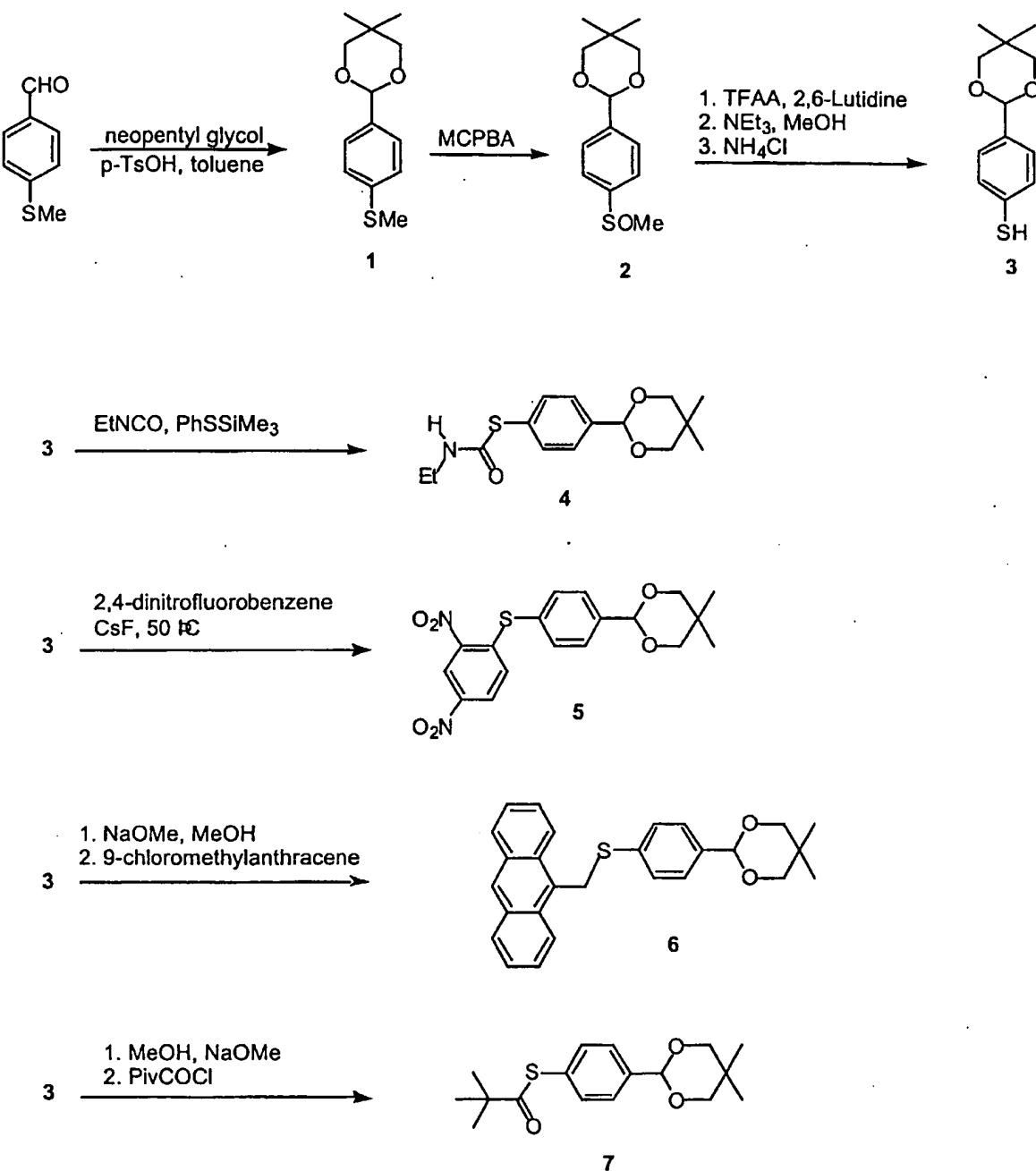


Fig. 14

10/019377

Scheme 2.

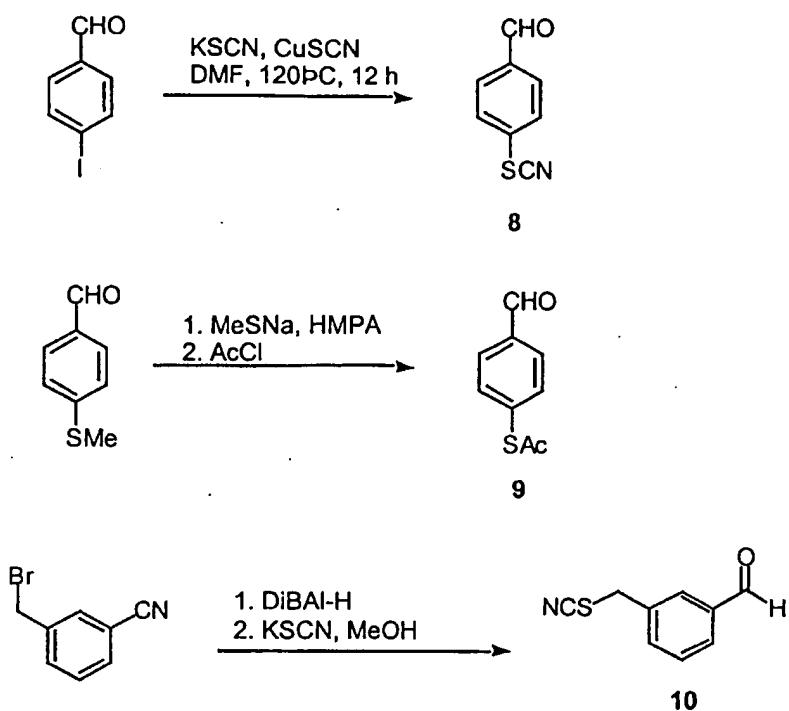


Fig. 15

10/019377

Scheme 3.

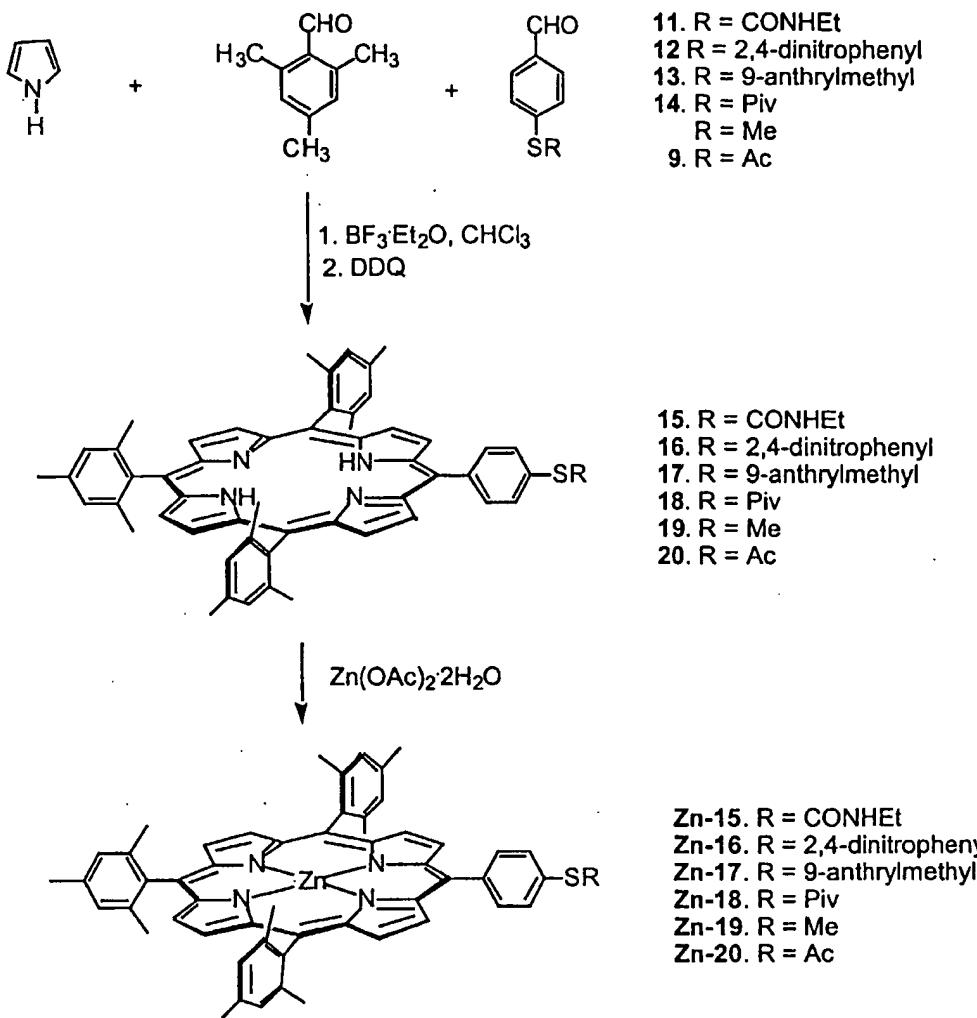


Fig. 16

10/019377

Scheme 4.

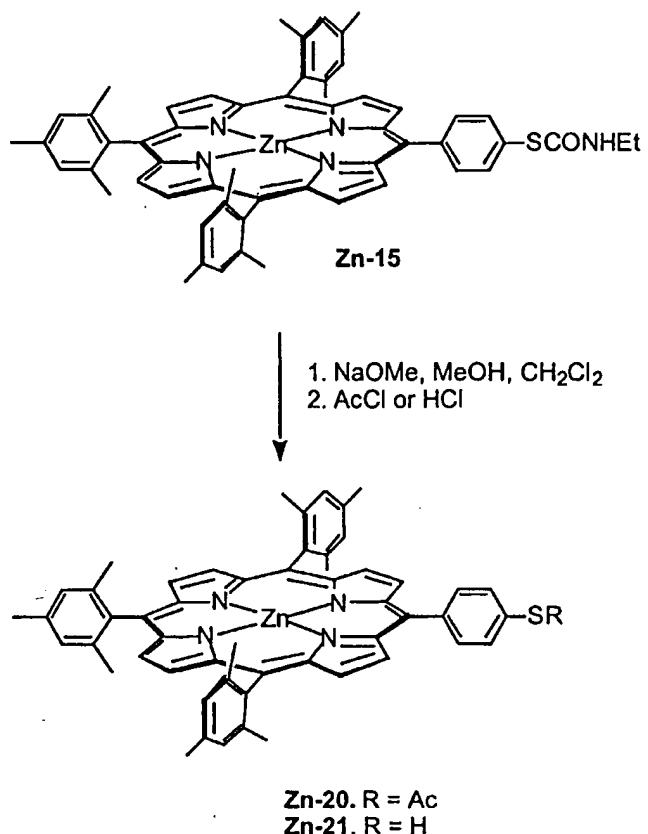
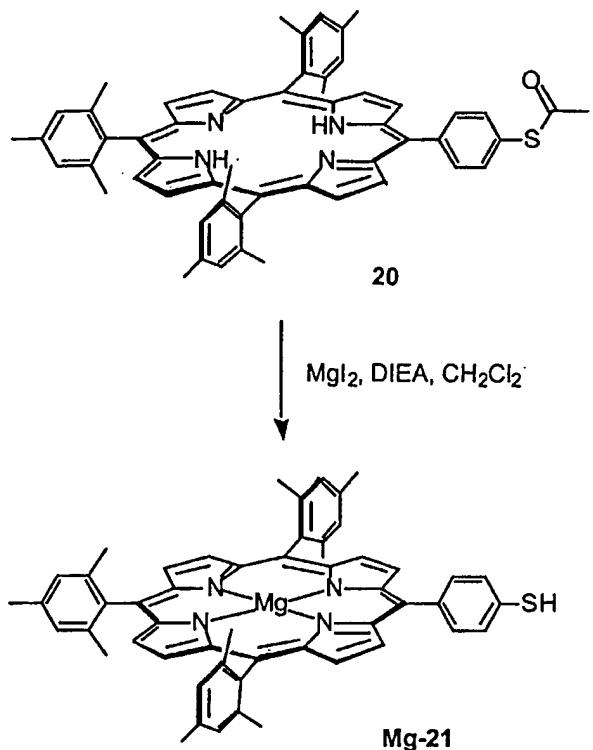


Fig. 17

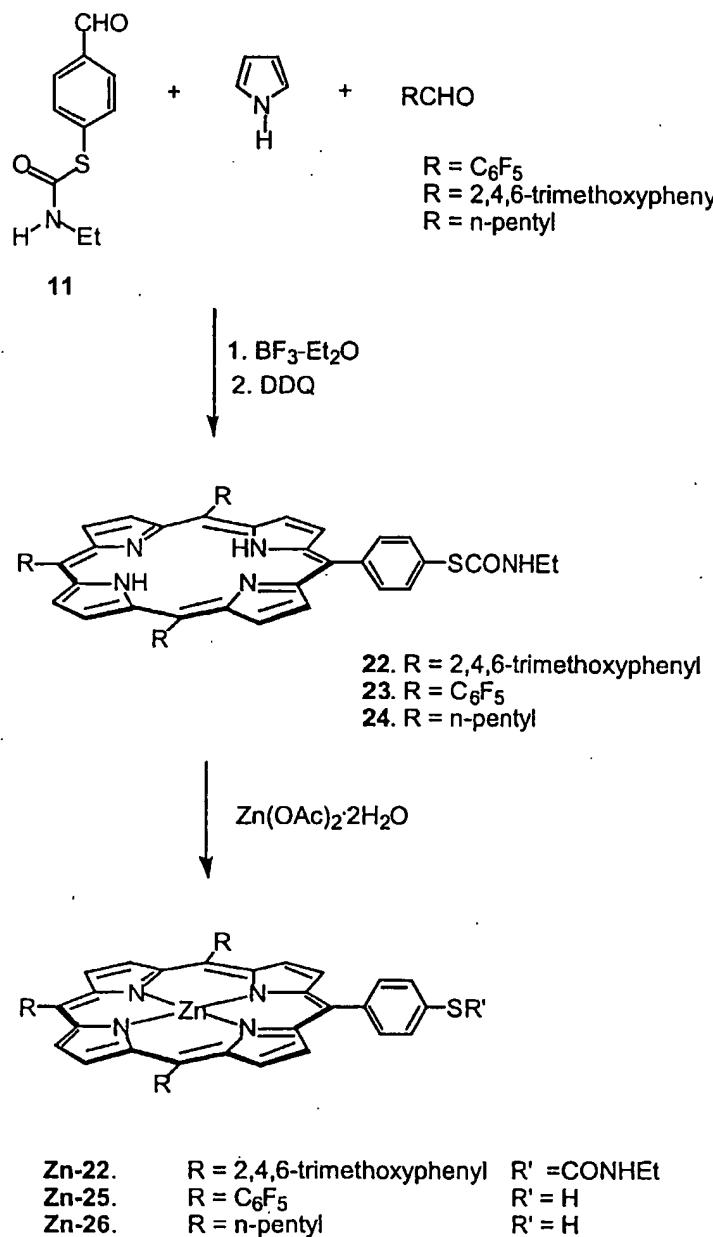
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Scheme 5.

*Fig. 18*

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Scheme 6.

**Fig. 19**

Scheme 7.

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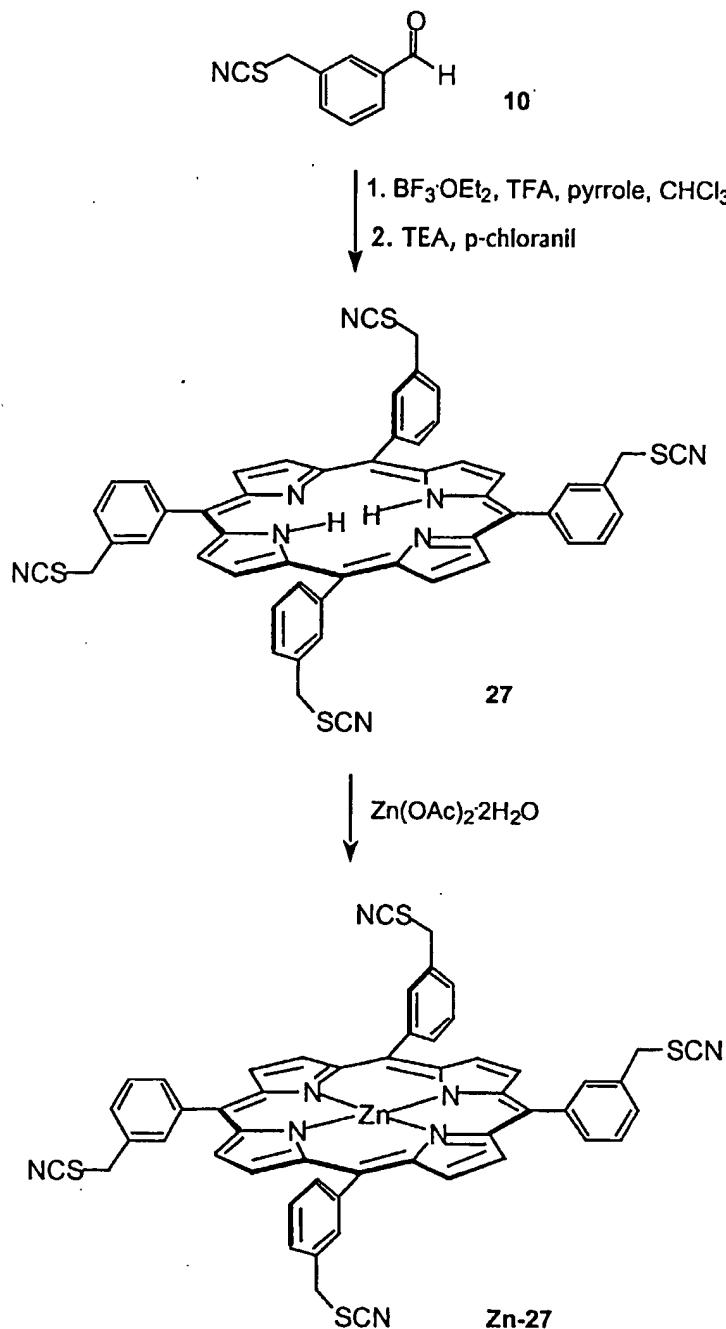


Fig. 20

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Scheme 8.

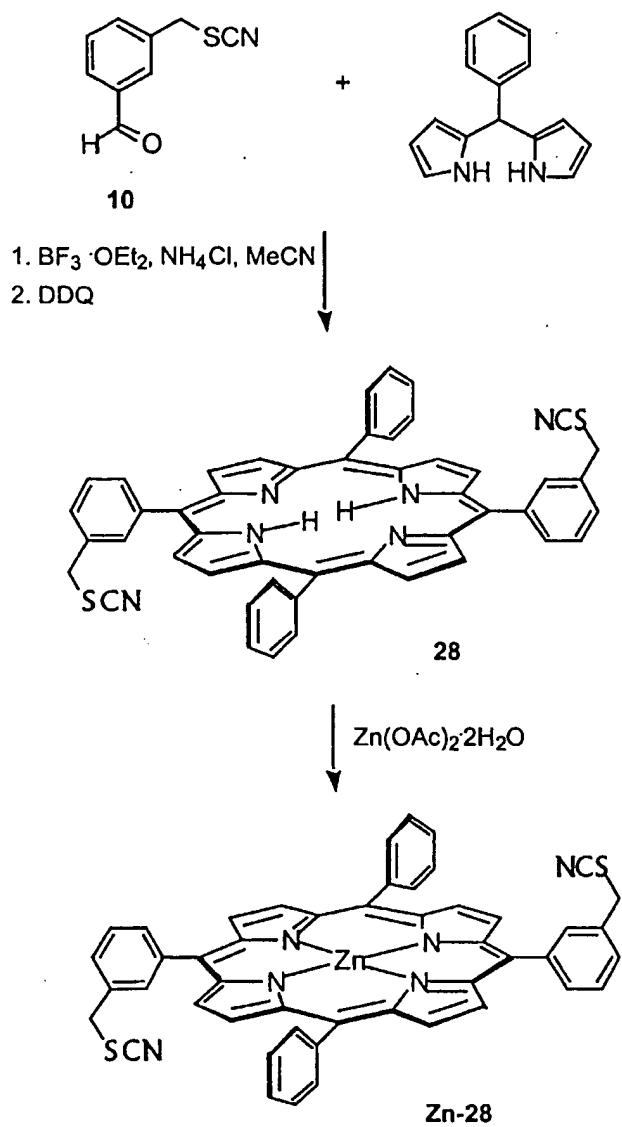


Fig. 21

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Scheme 9.

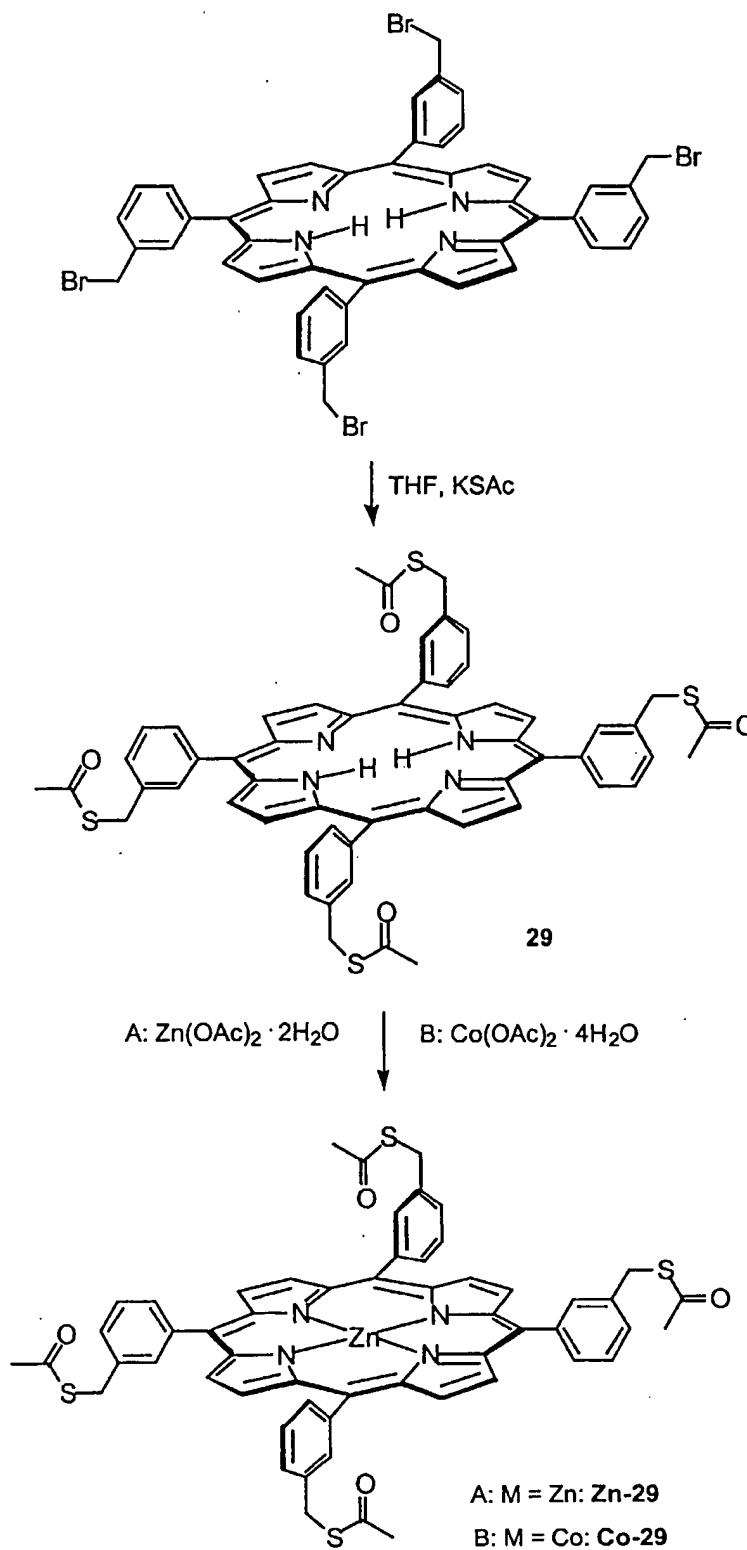


Fig. 22

10/019377

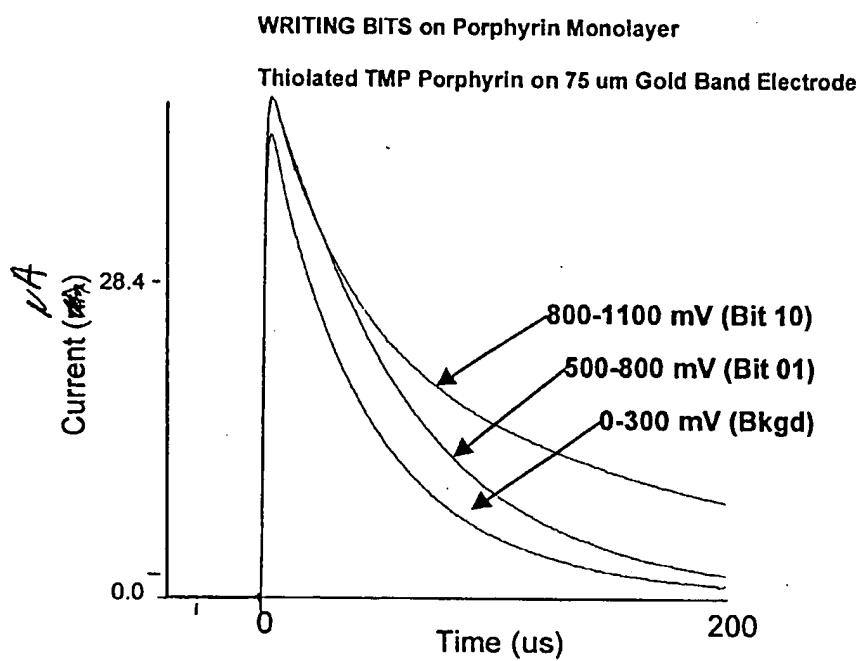


Fig. 23

10/019377

Background-Subtracted
"READ" Current

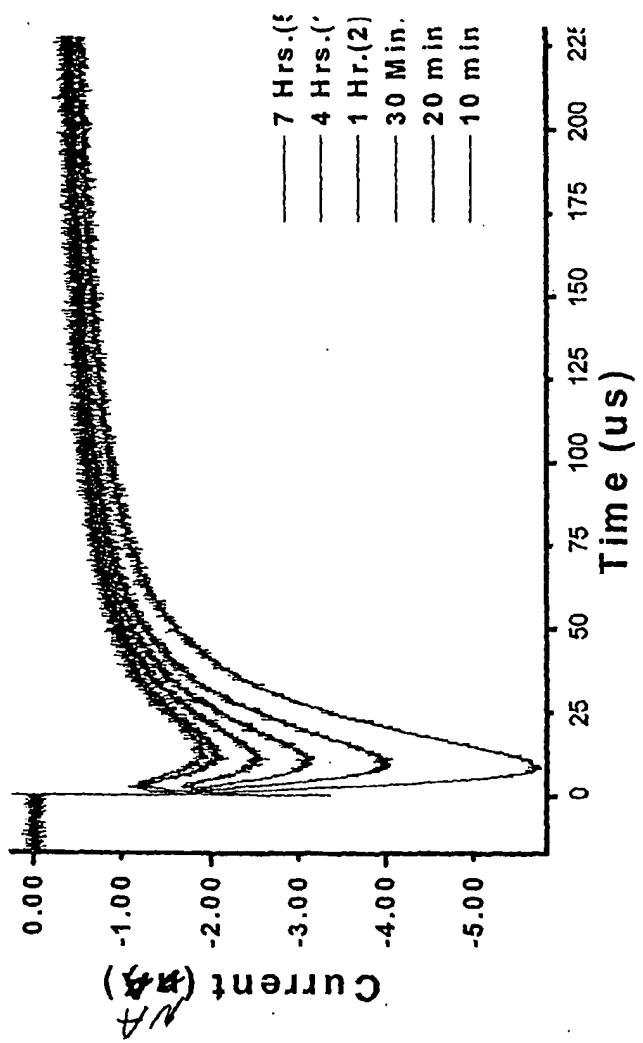


Fig. 24

10/019377

Read/Writ of a Monomeric Porphyrin

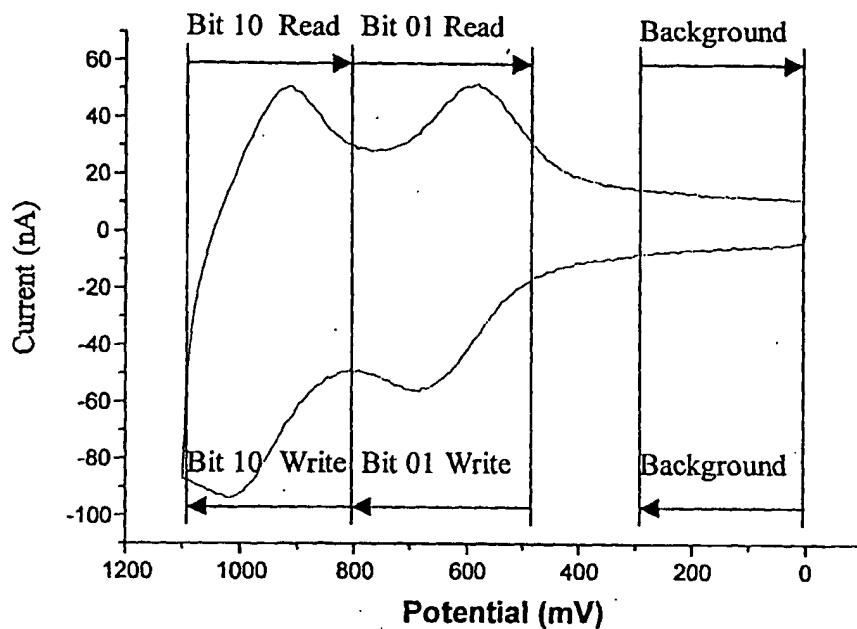
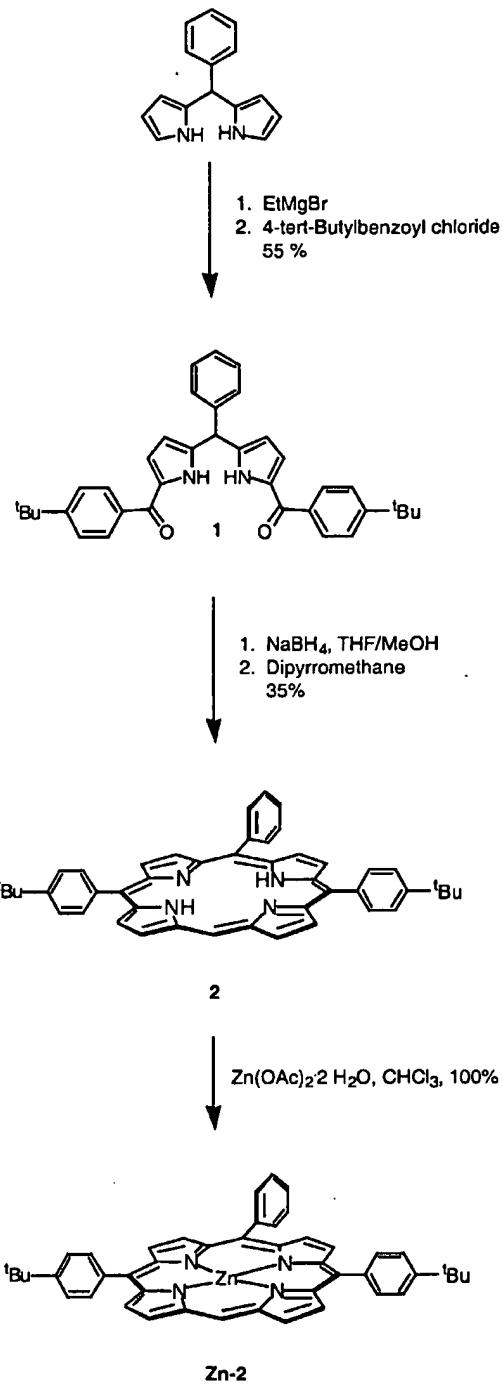


Fig. 25

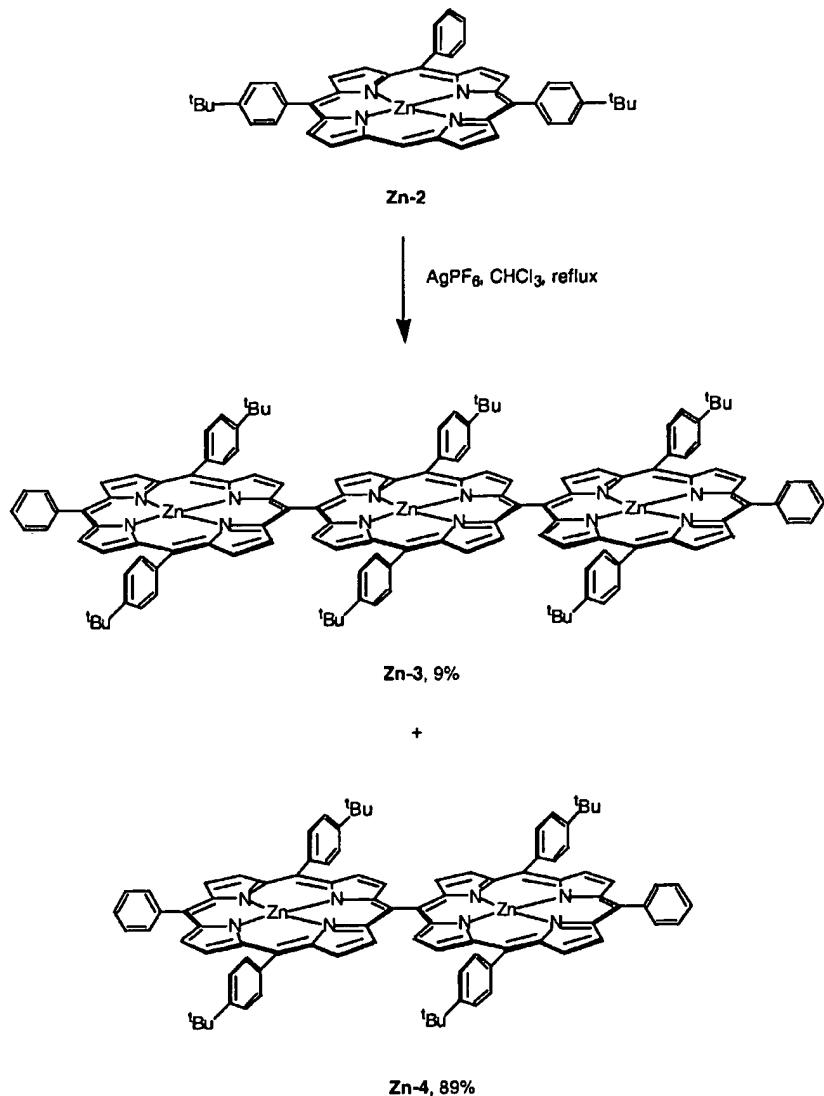
10/019377



Scheme 1

Fig. 26

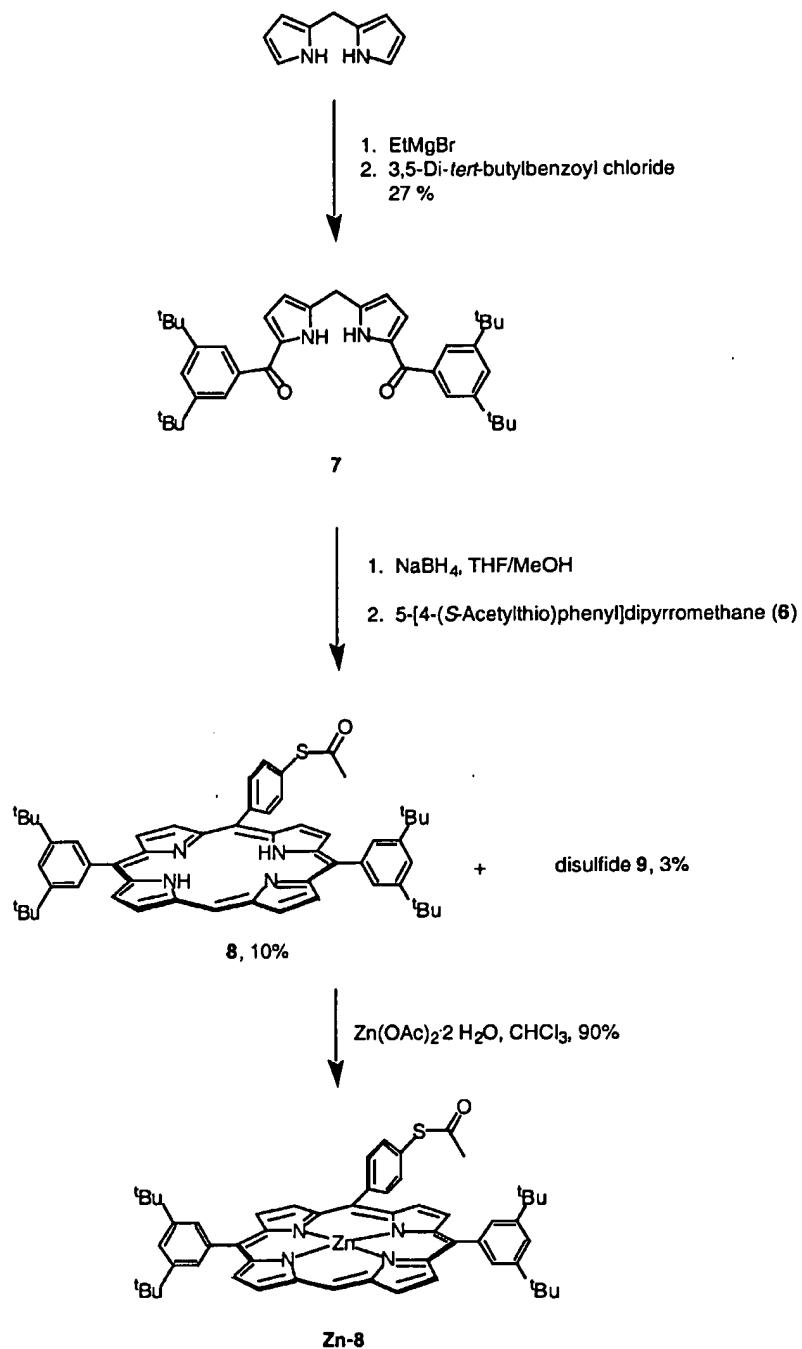
10/019377



Scheme 2

Fig. 27

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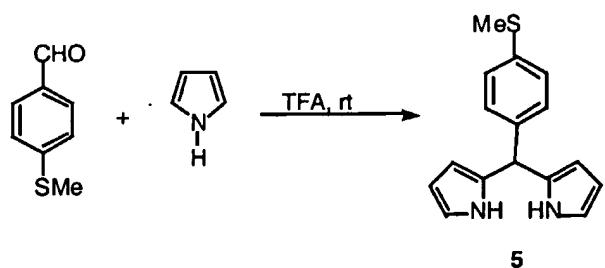


Scheme 3

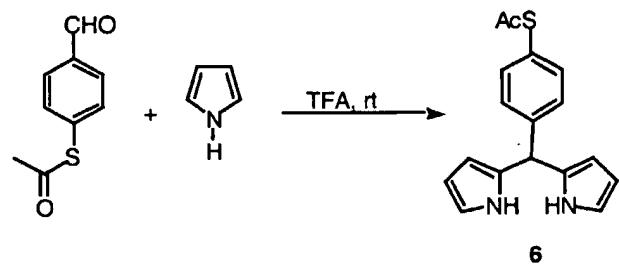
Fig. 28

10/019377

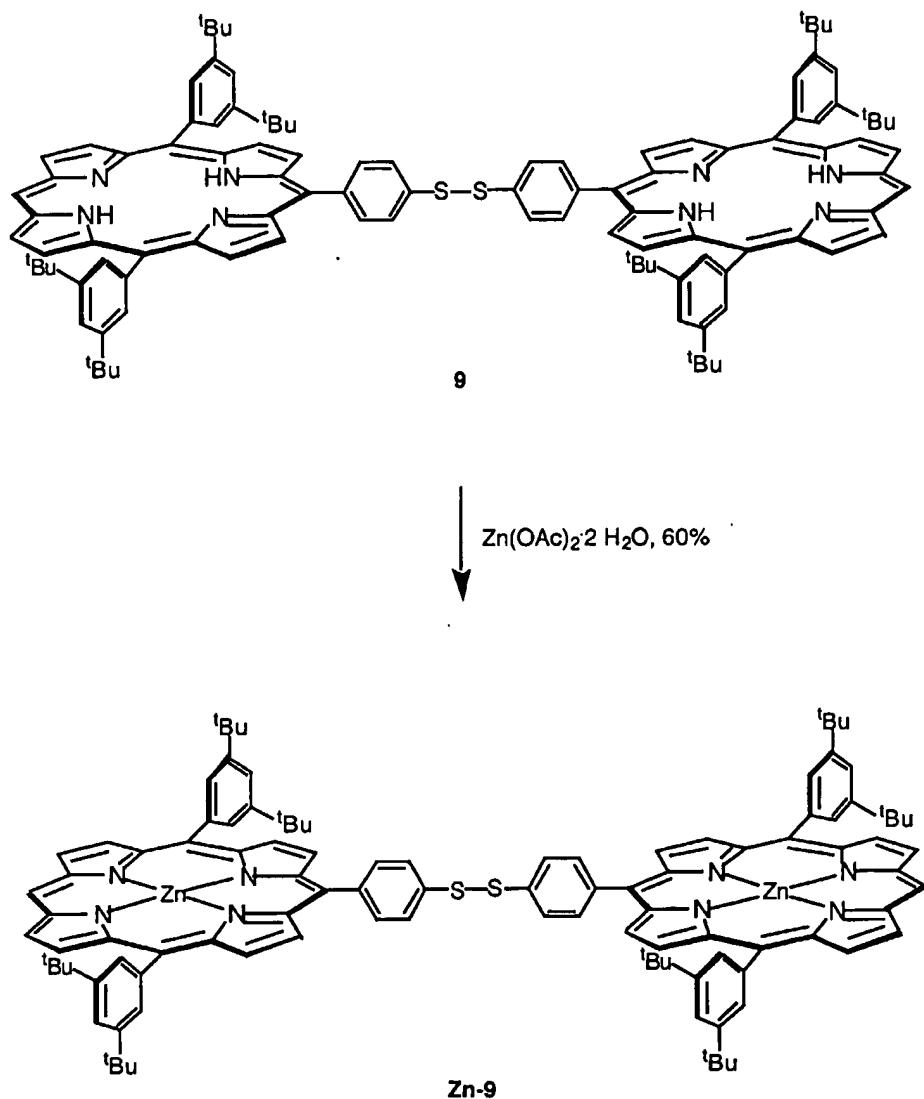
Equation 1

**Fig. 29**

Equation 2

**Fig. 30**

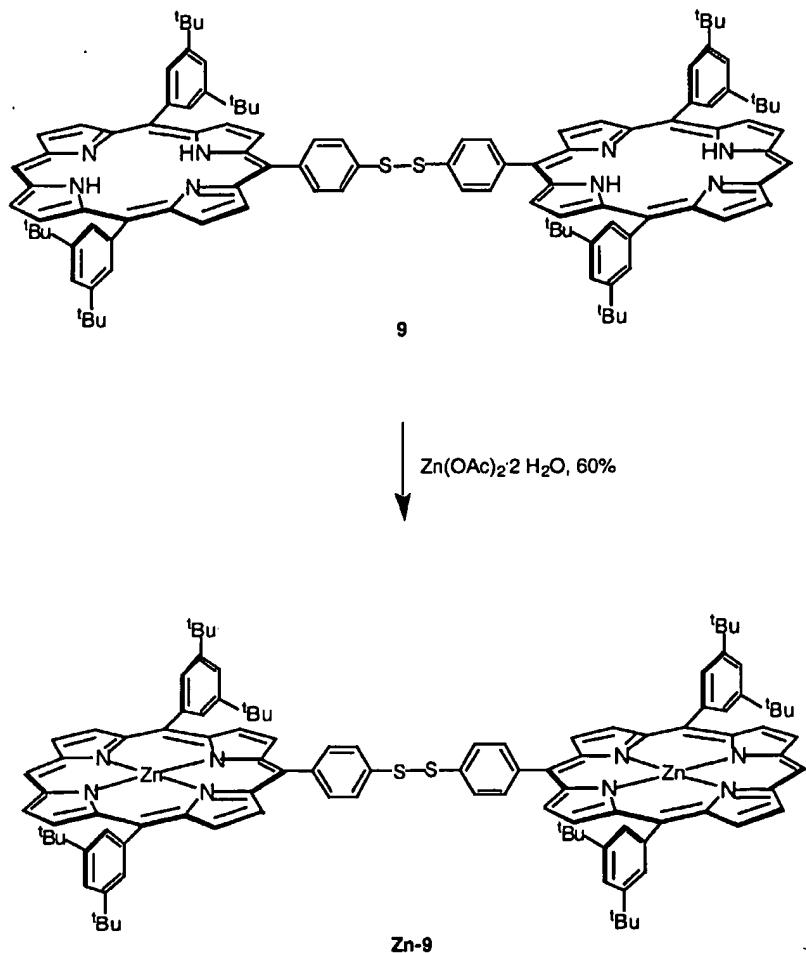
10/019377



Scheme 4

Fig. 31

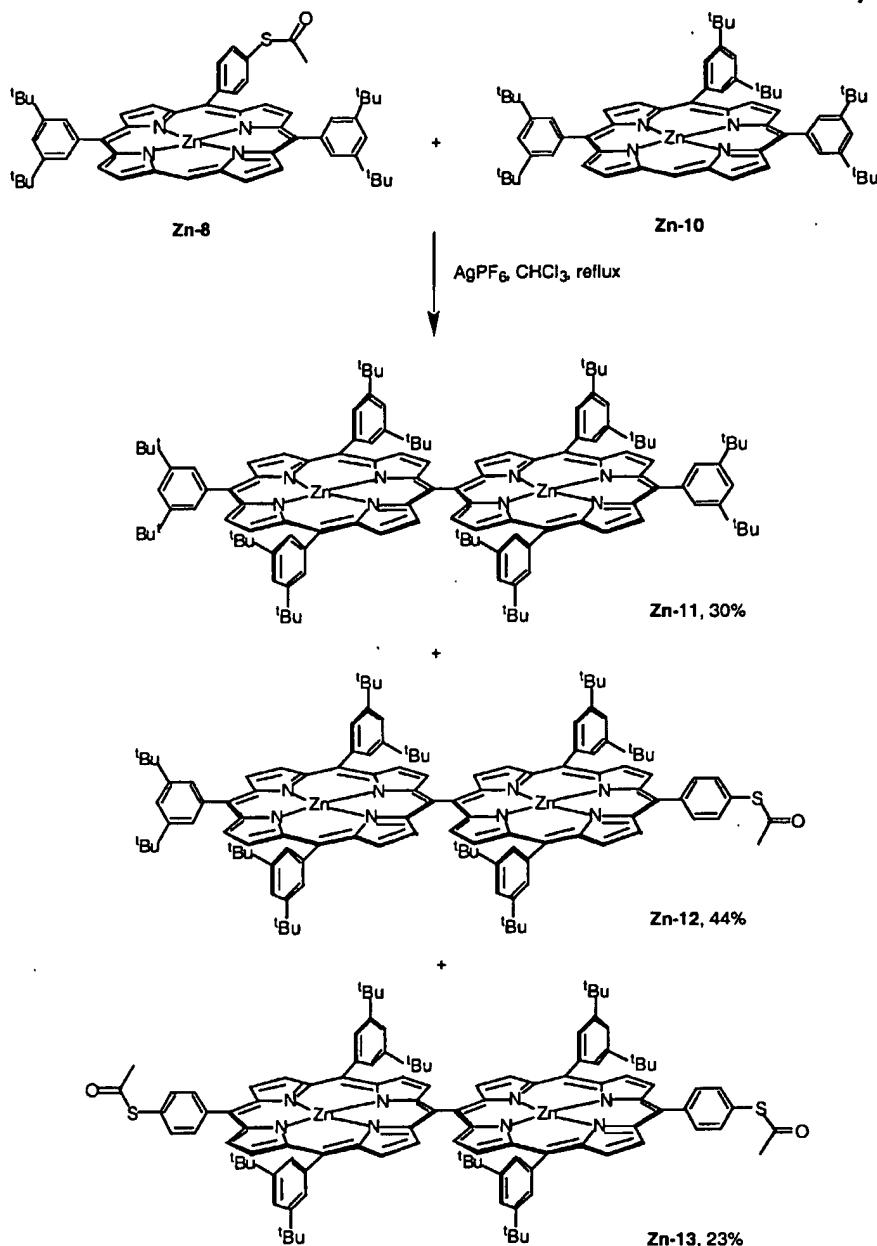
10/019377



Scheme 5

Fig. 32

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Scheme 6

Fig. 33

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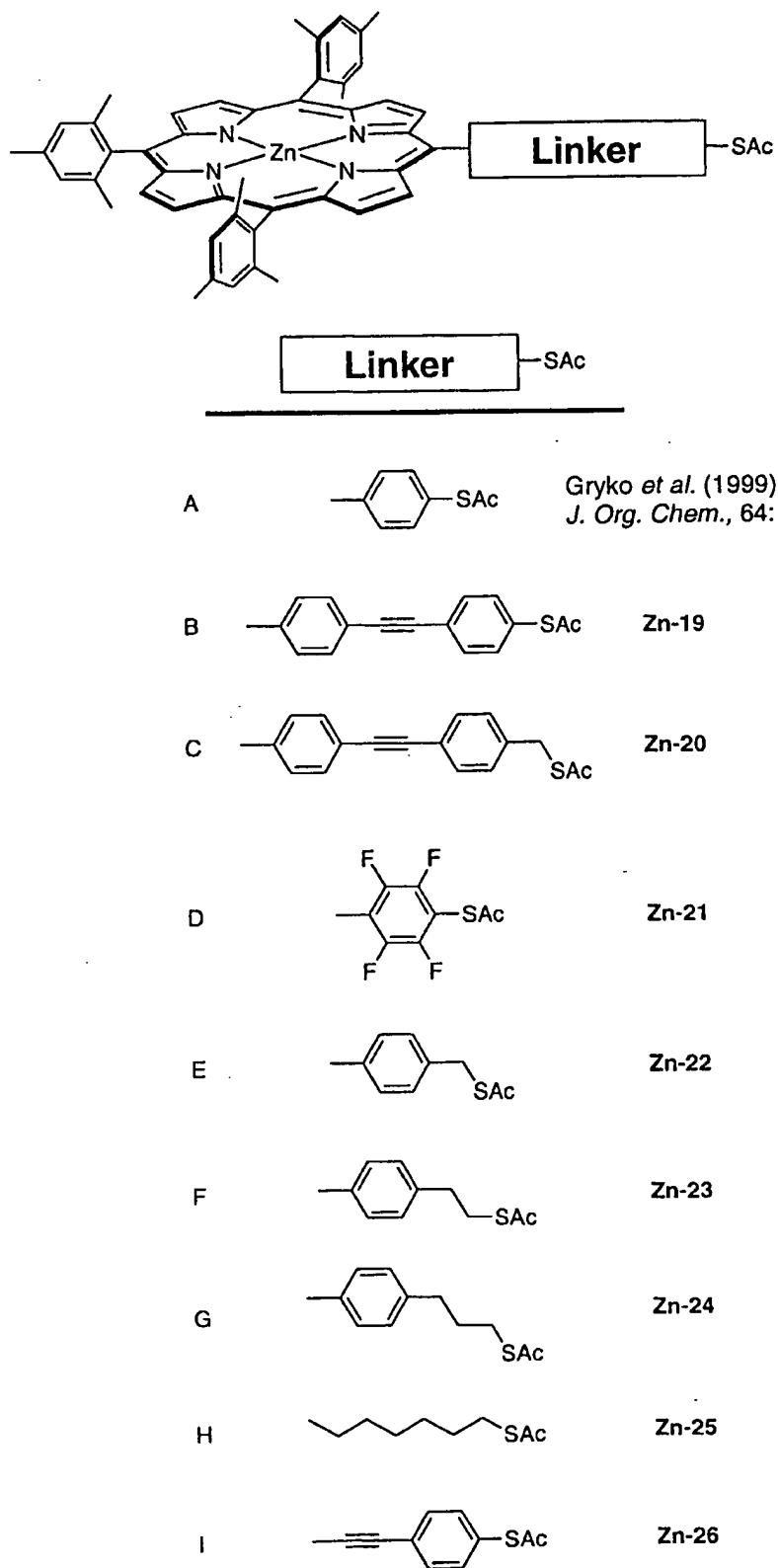


Fig. 34

10/019377

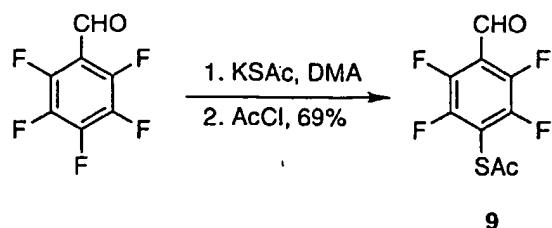


Fig. 35

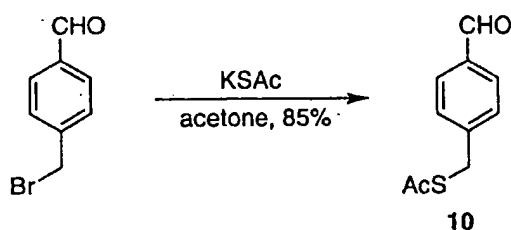


Fig. 36

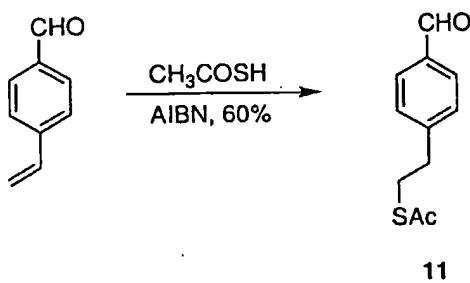


Fig. 37

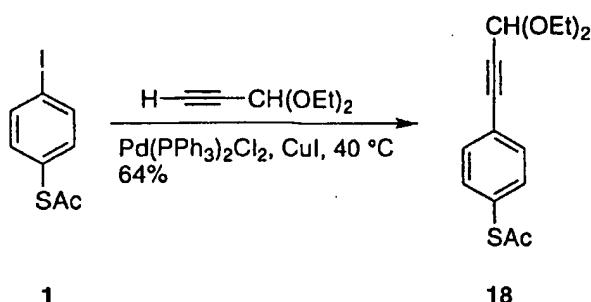


Fig. 38

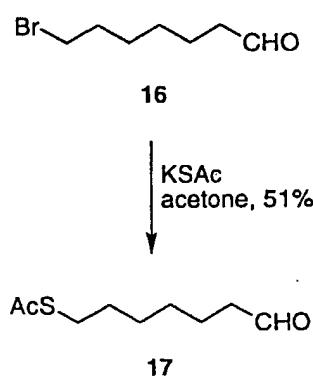


Fig. 39

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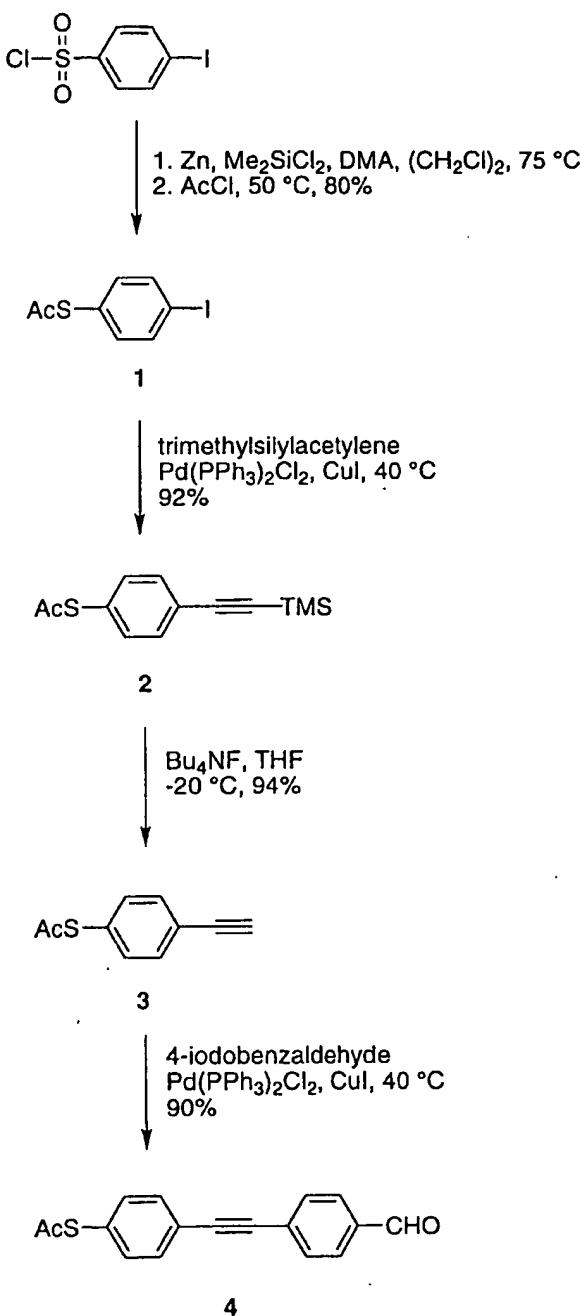


Fig. 40

10/019377

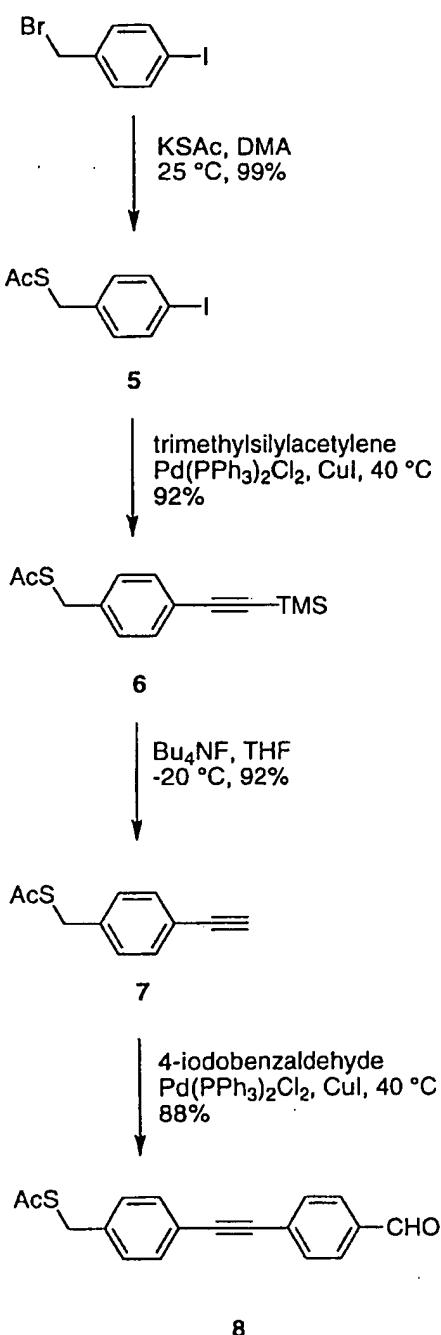


Fig. 41

10/019377

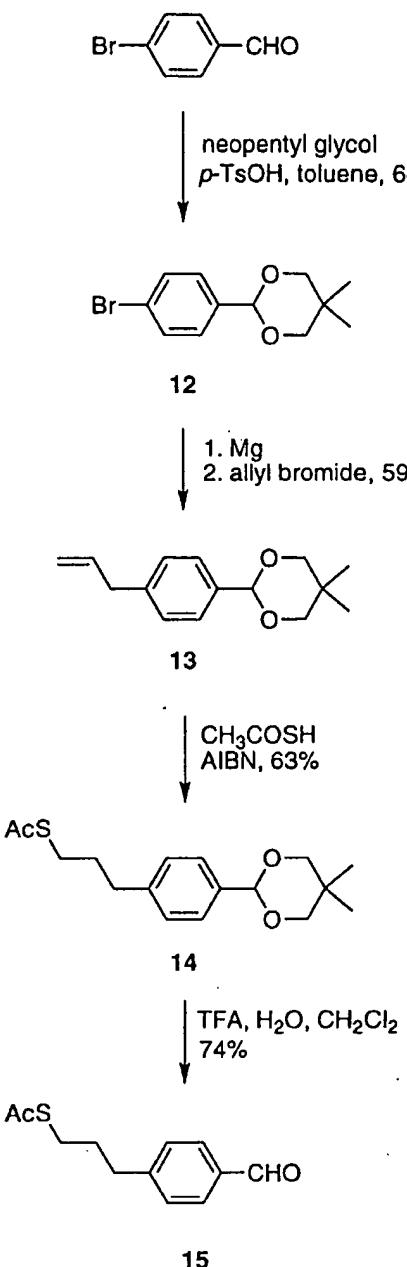
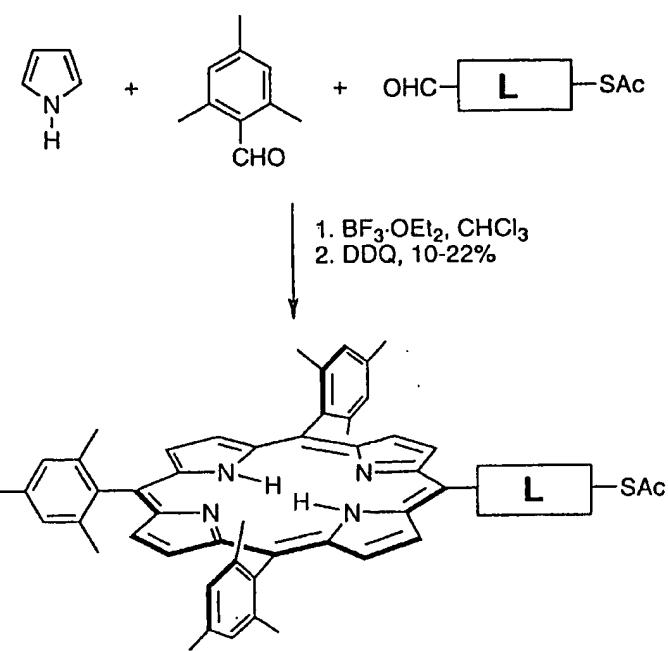
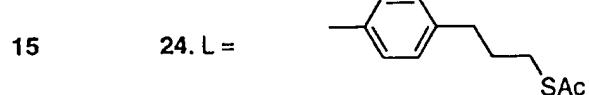
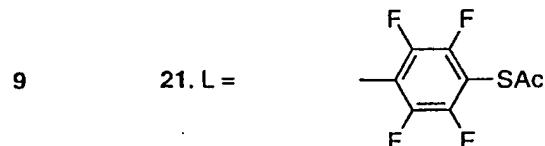
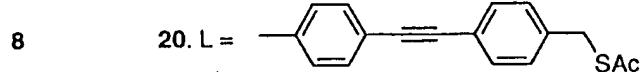
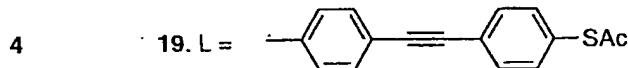


Fig. 42

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Aldehydes Porphyrins



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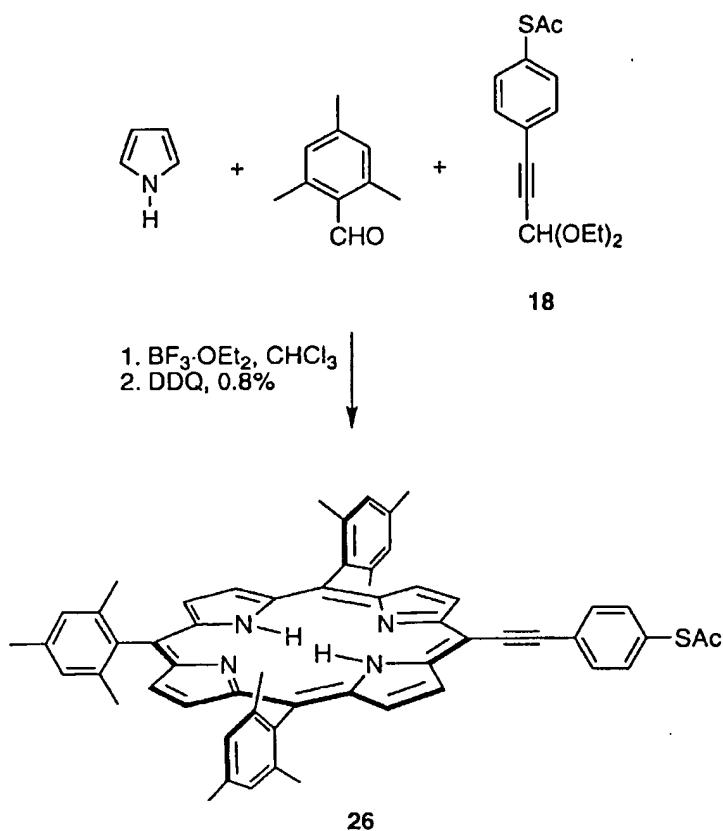


Fig. 44

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Equation 1

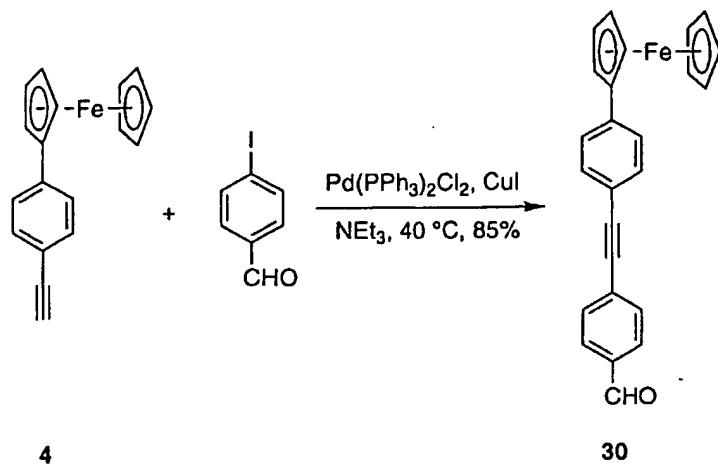


Fig. 45

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Equation 2

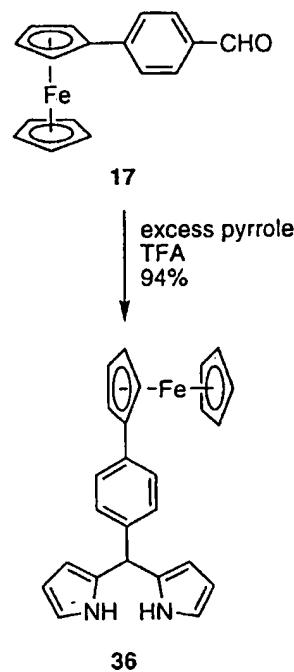


Fig. 46

10/019377

Equation 3

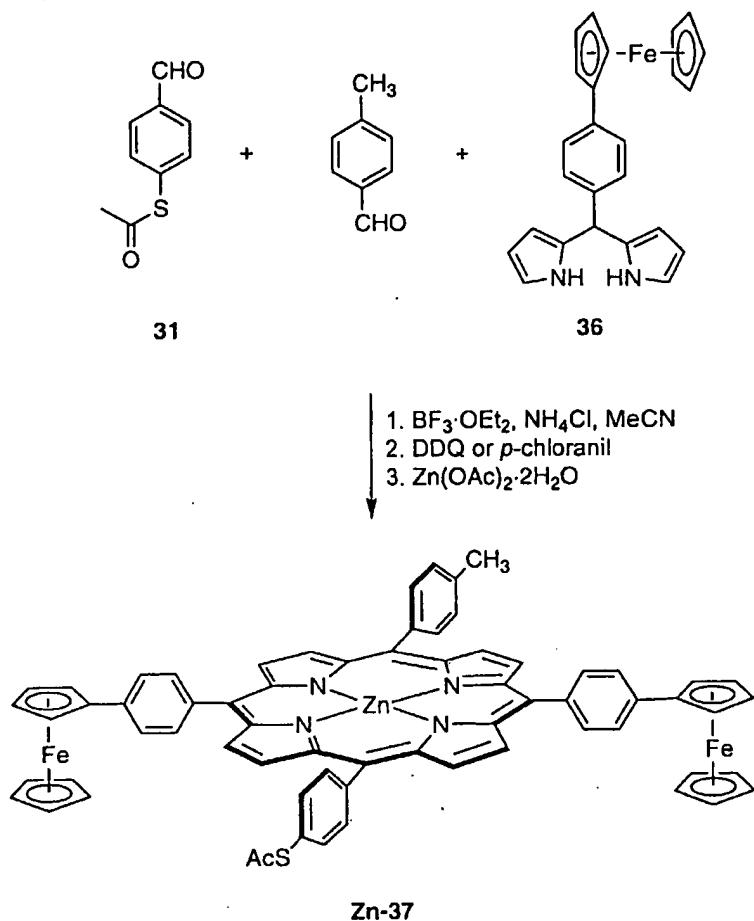


Fig. 47

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Scheme 1

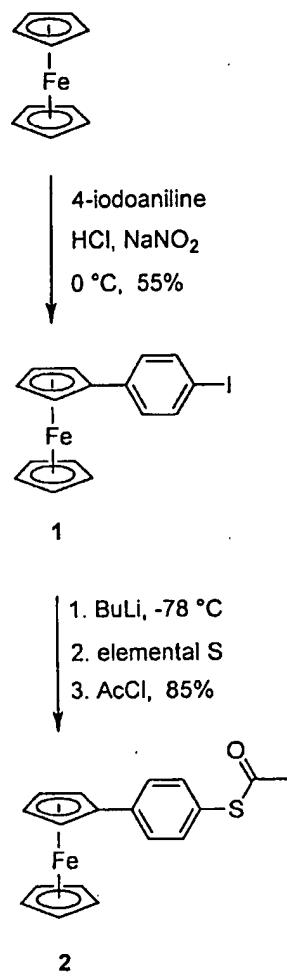


Fig. 48

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Scheme 2

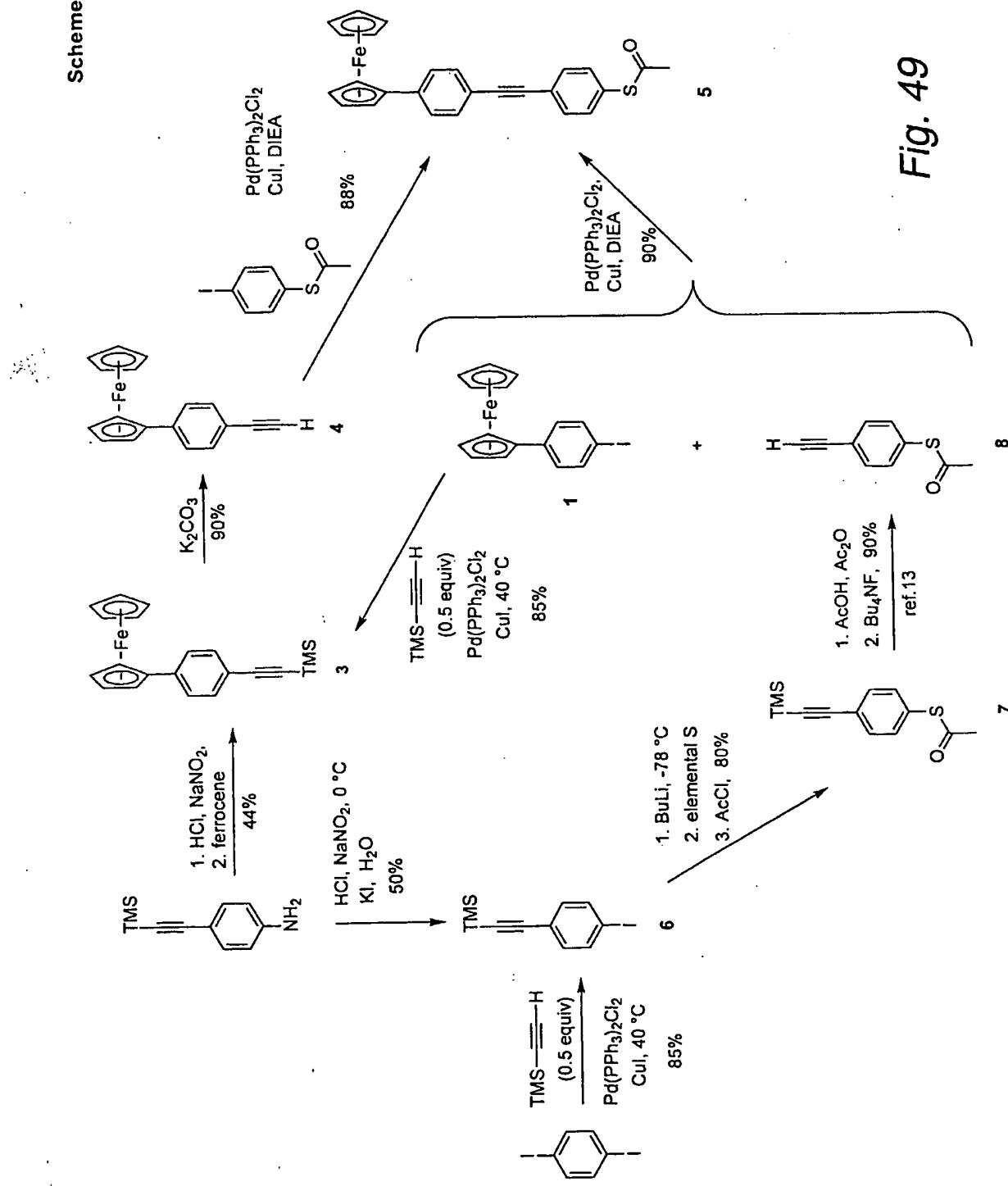


Fig. 49

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Scheme 3

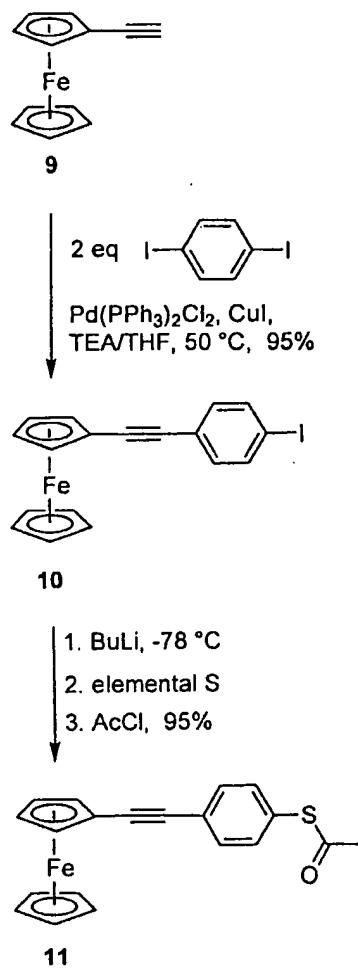


Fig. 50

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Scheme 4

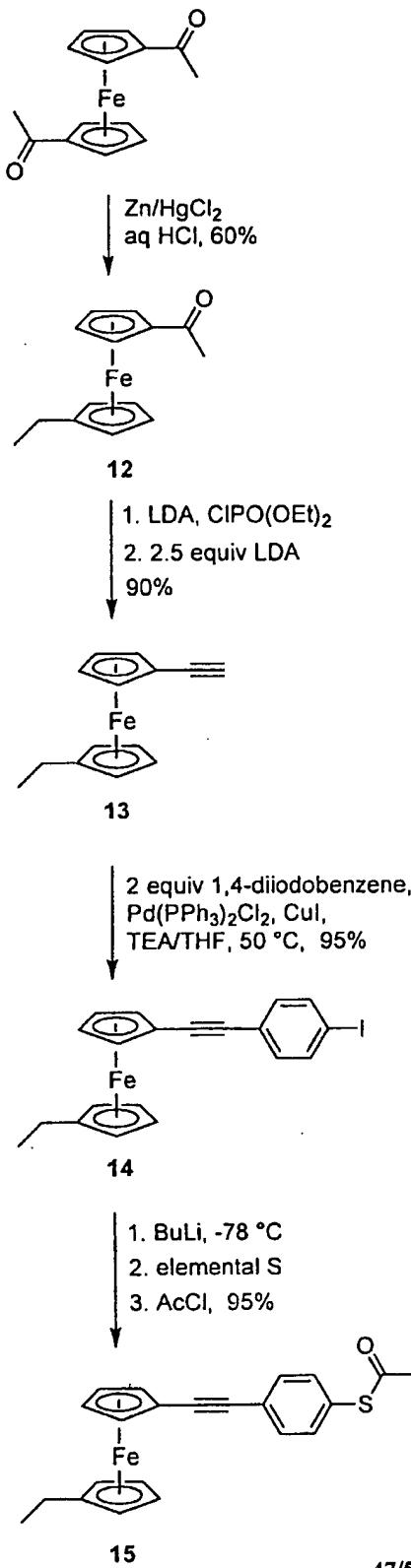


Fig. 51

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Scheme 5

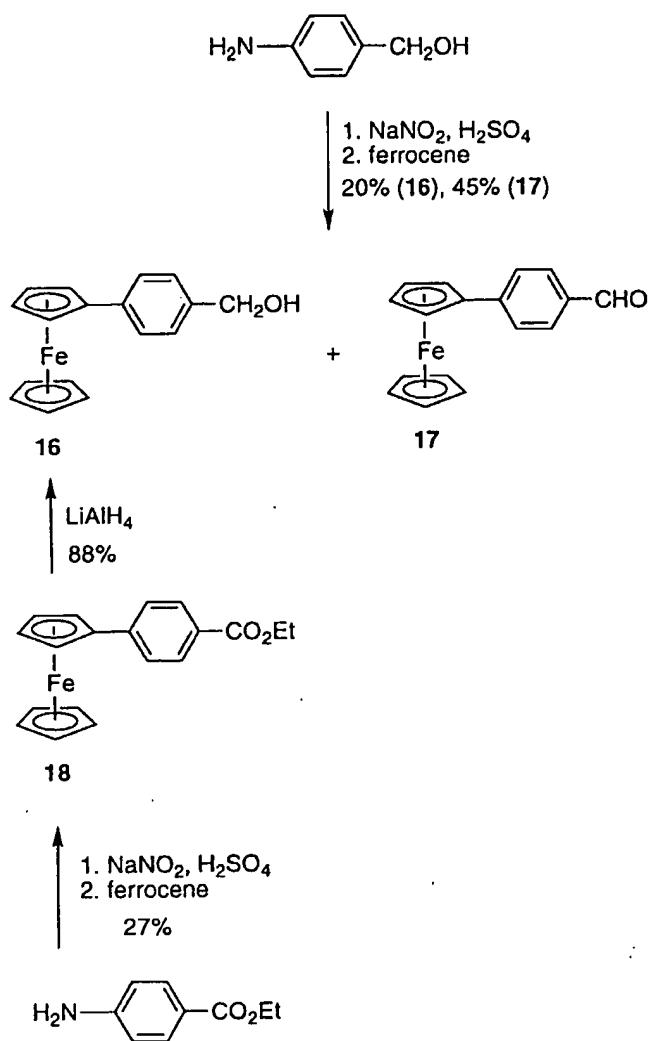


Fig. 52

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Scheme 6

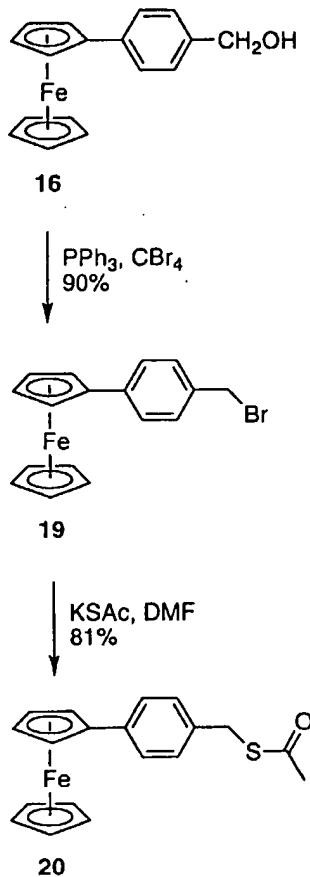


Fig. 53

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Scheme 7

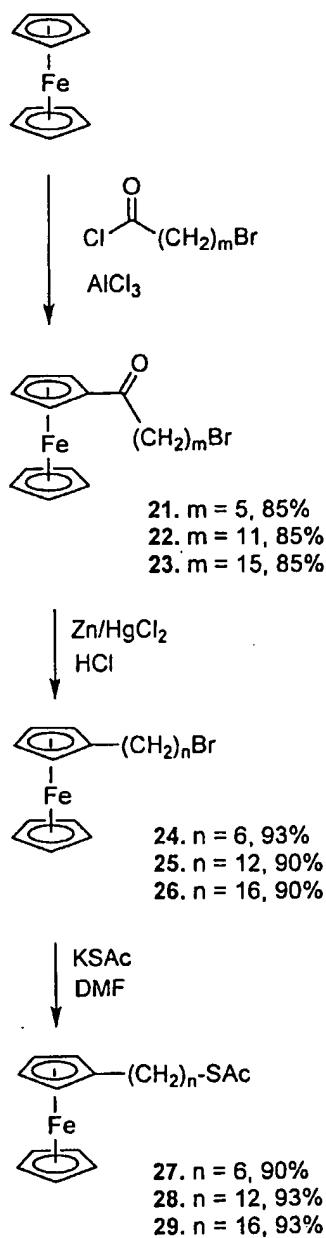


Fig. 54

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Scheme 8

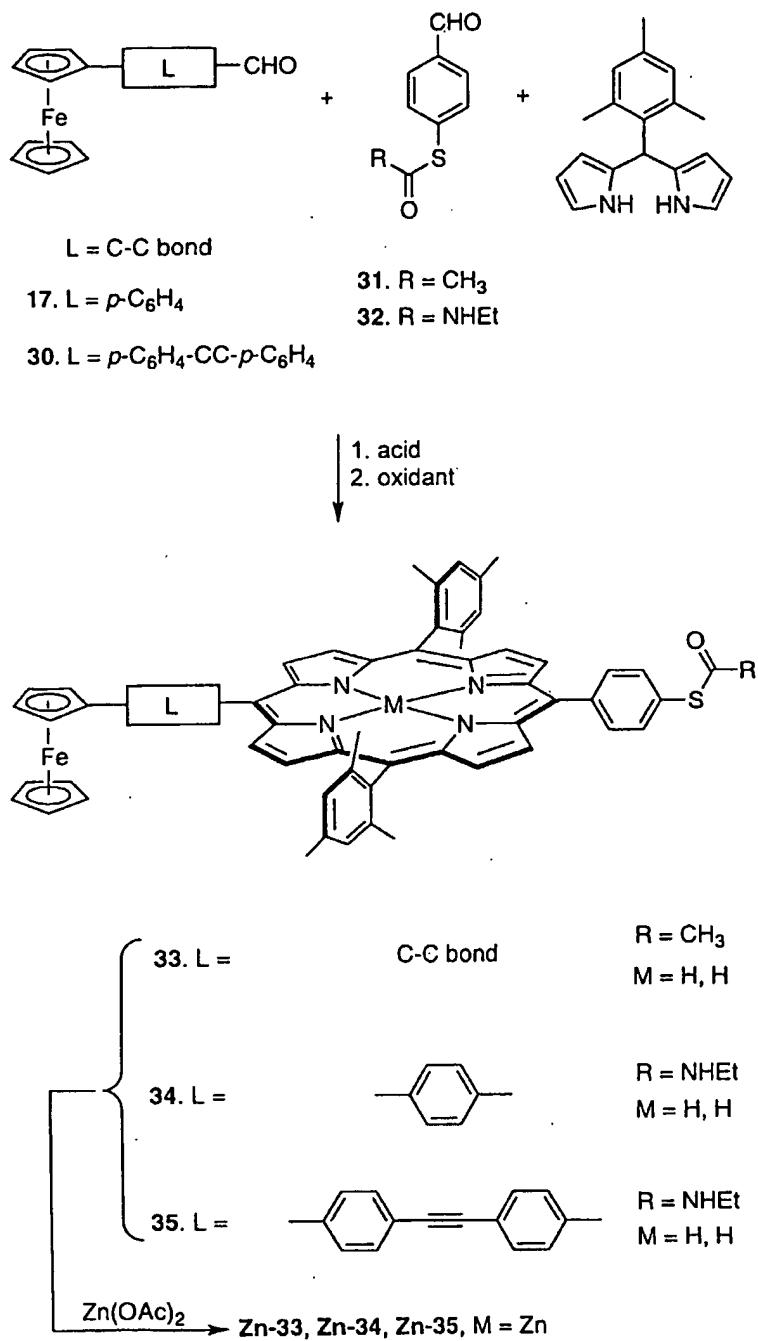


Fig. 55